

SHIELDS 2-24 FEDERAL
NW SE 24-41N-1W COCONINO CO.

771

Form 9-331
Dec. 1973

MAY 17 1985

O & G CONS. COMM.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PIN 771

Info. Copy

Form Approved
Budget Bureau No. 42-R1424

A-2-14
AKA

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Test

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR 90272
320 Bellino Dr., Pacific Palisades, CA

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2310 f E line & 1650 from S line of
AT SURFACE: line of
AT TOP PROD. INTERVAL: Sec 24, T41N-R1W
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHANGE ZONES
ABANDON*
(other)

SUBSEQUENT REPORT OF:

5. LEASE A-10457
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Shields Federal
9. WELL NO. 2-24
10. FIELD OR WILDCAT NAME White Sage Prospect
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 24, T41N-R1W, G&SRBM
12. COUNTY OR PARISH Coconino 13. STATE Arizona
14. API NO. 02-005-20015
15. ELEVATIONS (SHOW DF, KDB, AND WD) 5078'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5/3/85: TD 500'. 4 1/2" csg w/Cmt shoe @ 430'. Very little fluid and no O & G. Plugged 4 1/2" csg with cement. Welded 4 1/2" abandonment marker plate showing well identity, location and number.

18. I hereby certify that the foregoing is true and correct

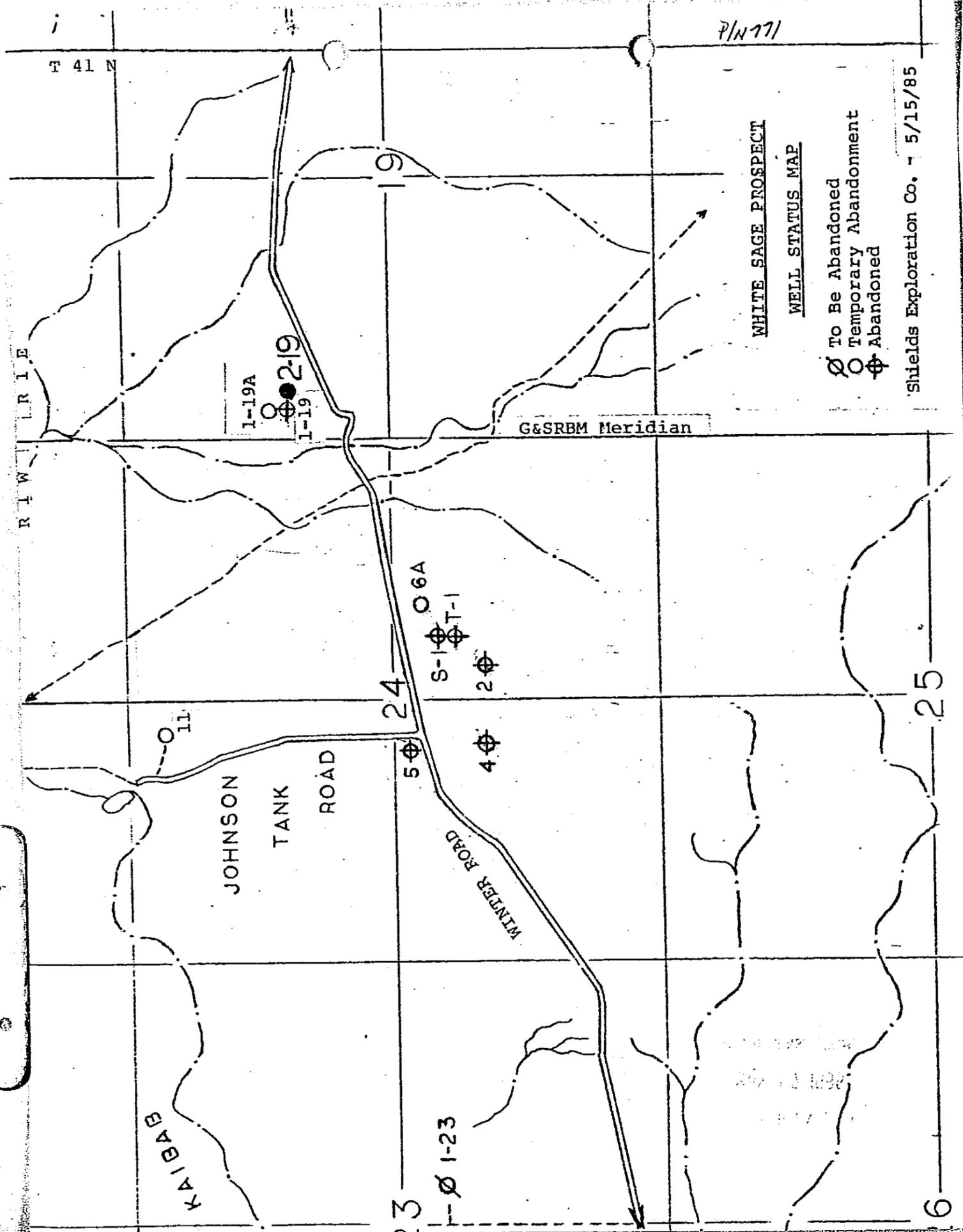
SIGNED [Signature] TITLE President DATE May 14, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

PLUGGING RECORD					
Operator SHIELDS EXPLORATION COMPANY			Address 320 Bellino Drive Pacific Palisades, CA 90272		
Federal, State, or Indian Lease Number, or lessor's name if fee lease.		Well No.	Field & Reservoir		
A-10457		2-24			
Location of Well 2310 f E line & 1650 f S line of Sec 24, (SW NW SE), T41N-R1W, G&SRBM			Sec-Twp-Rge or Block & Survey	County	
				Coconino	
Application to drill this well was filed in name of Shields Exploration Co.		Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbbls/day) _____ Gas (MCF/day) _____		Dry? Yes
Date plugged: May 3, 1985	Total depth 500'	Amount well producing when plugged: Oil (bbbls/day) _____ Gas (MCF/day) _____		Water (bbbls/day) None	
Name of each formation con- taining oil or gas. Indicate which formation open to well- bore at time of plugging		Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used Indicate zones squeeze cemented, giving amount cement	
KATBAB		Inconsequential	0' - 500'	4" - Cmt - 10'	
CASING RECORD					
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
7"	80'	0	80'	-----	Cmt shoe @ 430'
4 1/2"	430'	0	430'	-----	
Was well filled with mud-laden fluid, according to regulations? Filled with fluid into casing				Indicate deepest formation containing fresh water. Small amt Water near surface.	
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name	Address			Direction from this well:	
Chatterly Ranch	Fredonia, Arizona			Approx. 3 miles NW	
No lease operators adjacent - Various Lease Holders in general				area	
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required. Insufficient water for any purpose					
Use reverse side for additional detail.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>President</u> of the <u>Shields Exploration Company</u> (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.					
Date May 14, 1985		Signature <i>Jay Shields</i>			
RECEIVED MAY 17 1985 O & G CONS. COMM.			STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy		
Permit No. <u>771</u>			Form No. 10		

A-2



P/N 771

T 41 N

WHITE SAGE PROSPECT

WELL STATUS MAP

- To Be Abandoned
- ⊕ Temporary Abandonment
- ⊕ Abandoned

Shields Exploration Co. - 5/15/85

G&SRBM Meridian

JOHNSON
TANK
ROAD

WINTER ROAD

KAIBAB

1-19A

2-19

1-19

S-1

O 6A

T-1

2

4

5

1-23

24

25

3

6

R I W

L R I E

RECEIVED
MAY 17 1985
O & G CONS. COMM.

Form 9-331
Dec. 1973

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY O & G CONS. COMM.

Form Approved
Budget Bureau No. 42-R1424

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AN 771, 774, 775

DEC 18 1984

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR
320 Bellino Dr., Pacific Palisades, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2-24, 2310 f E 1 & 1650 f S 1
AT SURFACE: 5-24, 2310 f S 1 & 2310 f W 1
AT TOP PROD. INT: 6A-24, 1647 f E 1 & 2309 f S 1
AT TOTAL DEPTH: Sec 24, T41N- R1W

5. LEASE
A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shields Federal

9. WELL NO.
2-24, 5-24 and 6A-24

10. FIELD OR WILDCAT NAME
White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH
Coconino

13. STATE
Arizona

14. API NO. 02-005-20015 (2-24)
20017 (5-24) and 20018 (6A-24)

15. ELEVATIONS (SHOW DF, KDB, AND WD)
2-24 (5078'), 5-24(5037'), 6A-24(5066')

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(other)		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PROPOSAL FOR ABANDONMENT:

The subject Wells are proposed for Abandonment in the near future and at such time as weather conditions will permit. Federal and State Regulations will be observed and, when plans can be made, you will be advised in advance of the actual plugging and capping of each well.

As the current abandonment markers are unsightly and not environmentally suitable, it is requested that these wells be capped with a suitably inscribed steel plate welded to the top of the existing 4 1/2" casing (approximately one to two feet above G.L.). When welded, it is further requested that rock and soil be used to cover the pipe. Please advise of your decision in the foregoing proposal.

18. I hereby certify that the foregoing is true and correct

SIGNED Jay M. Shields TITLE President DATE December 13, 1984

(This space for Federal or State office use)

APPROVED BY R.A.Y. TITLE _____ DATE 12/19/84

CONDITIONS OF APPROVAL, IF ANY:

APPLICATION TO ABANDON AND PLUG

RECEIVED

FIELD WHITE SAGE PROSPECT ADDRESS 320 Bellino Dr., Pacific Palisades, CA 90272
 OPERATOR SHIELDS EXPLORATION COMPANY Federal, State, or Indian Lease Number Shields Federal WELL NO. SF #4-21
 or Lessor's Name if Fee Lease 0 & G CONS. COMM.
 LOCATION 2970' f E line & 1650' f S line of Sec 24, T41N-R1W
Coconino County, Arizona

TYPE OF WELL DRY HOLE TOTAL DEPTH 750', PBTD 475'
 ALLOWABLE (If Assigned) NA (Oil, Gas or Dry Hole)
 LAST PRODUCTION TEST OIL NA (Bbls.) WATER NA (Bbls.)
 GAS NA (MCF) DATE OF TEST NA
 PRODUCING HORIZON NA PRODUCING FROM NA TO NA

1. COMPLETE CASING RECORD.

7" casing cemented at 73' (surface)
 4 1/2" casing cemented at 426'

2. FULL DETAILS OF PROPOSED PLAN OF WORK

Well will be cemented from bottom up into 4 1/2" casing 100' and a 50' cement plug at surface. A 4-foot, 4 1/2" marker pipe will be attached as required. A Plugging Record form will follow.

DATE COMMENCING OPERATIONS September 15, 1982
 NAME OF PERSON DOING WORK JIM WILLIAMS WELL DRILLING ADDRESS SKULL VALLEY, ARIZONA
 Signature [Signature] Title SHIELDS EXPLORATION COMPANY President
 Address 320 Bellino Drive Pacific Palisades, CA 90272
 Date September 9, 1982

Date Approved 9-13-82
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: R. A. [Signature]

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug
 File Two Copies
 Form No. 9

Permit No. 772

APPLICATION TO ABANDON AND PLUG

FIELD WHITE SAGE PROSPECT **RECEIVED**
CA 90272
SEP 19 1982
 OPERATOR SHIELDS EXPLORATION COMPANY ADDRESS 320 Bellino Dr., Pacific Palisades,
 Federal, State, or Indian Lease Number Shields Federal WELL NO. SF #4-24
 or Lessor's Name if Fee Lease 0 & G CONS. COMM.
 LOCATION 2970' f E line & 1650' f S line of Sec 24, T41N-R1W
Coconino County, Arizona

TYPE OF WELL DRY HOLE TOTAL DEPTH 750', PBD 475'
(Oil, Gas or Dry Hole)
 ALLOWABLE (If Assigned) NA
 LAST PRODUCTION TEST OIL NA (Bbls.) WATER NA (Bbls.)
 GAS NA (MCF) DATE OF TEST NA
 PRODUCING HORIZON NA PRODUCING FROM NA TO NA

1. COMPLETE CASING RECORD.

7" casing cemented at 73' (surface)
 4½" casing cemented at 426'

2. FULL DETAILS OF PROPOSED PLAN OF WORK

Well will be cemented from bottom up into 4½" casing 100' and a 50' cement plug at surface. A 4-foot, 4½" marker pipe will be attached as required. A Plugging Record form will follow.

DATE COMMENCING OPERATIONS September 15, 1982
 NAME OF PERSON DOING WORK JIM WILLIAMS WELL DRILLING ADDRESS SKULL VALLEY, ARIZONA
 Signature [Signature] SHIELDS EXPLORATION COMPANY
 Title President
 Address 320 Bellino Drive
Pacific Palisades, CA 90272
 Date September 9, 1982

Date Approved 9-13-82
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: R. A. Yhama

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug
 File Two Copies
 Form No. 9

Permit No. 772

Form 9-331
Dec. 1973

RECEIVED

FEB 1 1983

Form Approved
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR & CONS. COMM.
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Test

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR 90272
320 Bellino Dr., Pacific Palisades, CA

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2310 f E line & 1650 from S line of
AT TOP PROD. INTERVAL: Sec 24, T41N-R1W
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Update of Operations	

5. LEASE A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME Shields Federal

9. WELL NO. 2-24

10. FIELD OR WILDCAT NAME White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH Coconino 13. STATE Arizona

14. API NO. 02-005-20015

15. ELEVATIONS (SHOW DF, KDB, AND WD) 5078'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

January 15, 1983:
2" Valve opened. Slight pressure. Acid odor. Ran measuring and sampling device. Found top of fluid @ 475' (PBD 480"--4 1/2" csg cmtd @ 430'). Recovered tan water and some black sludge. Well Shut in. Request authorization for a delay in abandonment for 6 months until weather improves and until equipment and personnel are at the lease.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE January 27, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

771

Form 9-3114
(May 1983)

RECEIVED

OCT 26 1981

UNITED STATES
DEPARTMENT OF THE INTERIOR

O & G CONS. COMM. GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions on
reverse side)

Sent Copy to BLM
9-10-81 ARIZONA strip off
Form approved.
Budget Bureau No. 42-R142

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER Strat Expl. SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
JAY M. SHIELDS

3. ADDRESS OF OPERATOR
320 BELLINO DRIVE, PACIFIC PALISADES, CA 90272

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 2310' from East line and 1650' from South line of
Section 24, T41N-R1W, G&SRB MERIDIAN.
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
11 miles East of Fredonia, Arizona

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
4980' east to LL
330' to DUL
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE
2558.12

17. NO. OF ACRES ASSIGNED TO THIS WELL
10

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
460'

19. PROPOSED DEPTH
500'

20. ROTARY OR CABLE TOOLS
Rotary

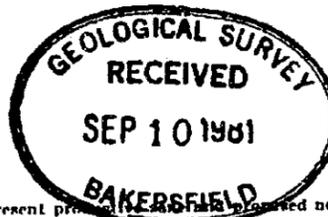
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5078' GR

22. APPROX. DATE WORK WILL START*
October 15, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	7"	15#	80'	20sx (to surface)
6 1/2"	4 1/2"	10.5#	400-450'	50sx (est.)

Drilling will be done with air. After setting and cementing 7" surface casing @ 80', a 6 1/2" hole will be drilled with coring of any oil zones in the Kaibab formation. Density, Gamma-Neutron and Induction logs will be run (Welex). Open hole testing is planned and, if indicated, 4 1/2" casing cemented (Halliburton) above oil zone and the interval acidized (Halliburton). Well will be bailed and a pumping unit may be installed. This well is a diagonal offset to the Travis Federal #1-24. As there was no observed pressure in the Travis or Shields #1-24 wells, a blowout preventer may not be necessary. All State and Federal regulations will be observed.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Jay M. Shields TITLE LESSEE & OPERATOR DATE September 8, 1981
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY J. P. Wagner TITLE District Supervisor DATE 10-20-81
CONDITIONS OF APPROVAL, IF ANY: J. P. Wagner

cc: DCM, O & G, Western Region
Oil & Gas Conservation Commission,
Phoenix, Arizona
J. Stout, USGS, Ely, Nevada

771

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Test

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR 90272
320 Bellino Dr., Pacific Palisades, CA

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2970' f E line & 1650' f S.
AT TOP PROD. INTERVAL: line of
AT TOTAL DEPTH: Sec 24, T41N-R1W

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHANGE ZONES
ABANDON*
(other) _____

SUBSEQUENT REPORT OF:

5. LEASE A-10457	RECEIVED SEP 13 1982
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	G & S CONS. COMM.
8. FARM OR LEASE NAME	Shields Federal
9. WELL NO.	4-24
10. FIELD OR WILDCAT NAME	White Sage Prospect
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	24, T41N-R1W, G&SRBM
12. COUNTY OR PARISH	13. STATE
Coconino	Arizona
14. API NO.	02-005-20016
15. ELEVATIONS (SHOW DF, KDB, AND WD)	5043'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The Shields Federal #4-24 was drilled in November, 1981. TD 750'. Well was plugged back with gravel to 475'. 4 1/2" casing was then cemented at 426'. Well was logged but not treated. There was no significant water entry. Well was capped and will be checked prior to plugging. Well will be cemented from bottom up into 4 1/2" casing 100' and a 50' cement plug at surface. A 4-foot, 4 1/2" marker pipe will be attached as required. A Plugging Record form will follow.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE September 9, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Tests

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR
320 Bellino Dr., Pacific Palisades, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2-24, 2310 f E 1 & 1650 f S1
AT SURFACE: 5-24, 2310 f S 1 & 2310 f W1
AT TOP PROD. INT: 6A-24, 1647 f E 1 & 2309 f S1
AT TOTAL DEPTH: Sec 24, T41N- R1W

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Update of Operations		

5. LEASE
A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shields Federal

9. WELL NO.
2-24, 5-24 and 6A-24

10. FIELD OR WILDCAT NAME
White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH | 13. STATE
Coconino | Arizona

14. API NO. 02-005-20015 (2-24)
20017 (5-24) and 20018 (6A-24)

15. ELEVATIONS (SHOW DF, KDB, AND WD)
2-24 (5078'), 5-24(5037'), 6A-24(5066')

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Since last report on 5 / 19/82, we have monitored the #2-24, #5-24 and 6A-24 Wells on a weekly basis through 6/13/82. Wells continue to produce gas with an acid odor in #2-24 and #5-24 and gas with an acid and petroleum odor in #6A-24. Wells are not now being monitored pending the arrival of the Jim Williams Drilling rig and permitting of our new 4-well drilling program currently in the surveying stage. Locations are shown on the attached White Sage Prospect Map. Our drilling applications will be submitted to your Minerals Management Office and to the State of Arizona office on completion of the surveys:

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE President DATE June 23, 1982

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY:

*See Instructions on Reverse Side

771

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Tests

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR
320 Bellino Dr., Pacific Palisades, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2-24, 2310 f E 1 & 1650 f S 1
AT SURFACE: 5-24, 2310 f S 1 & 2310 f W 1
AT TOP PROD. INT: 6A-24, 1647 f E 1 & 2309 f S 1
AT TOTAL DEPTH: Sec 24, T41N- R1W

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Update of Operations</u>	

5. LEASE
A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shields Federal

9. WELL NO.
2-24, 5-24 and 6A-24

10. FIELD OR WILDCAT NAME
White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH | 13. STATE
Coconino | Arizona

14. API NO. 02-005-20015 (2-24)
20017 (5-24) and 20018 (6A-24)

15. ELEVATIONS (SHOW DF, KDB, AND WD)
2-24 (5072'), 5-24 (5037'), 6A-24 (5066')

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Since last report on 4/27/82, we met with John Wagner, Bob Kohlbush and Norm Slick at USGS Headquarters in Bakersfield, CA (April 29) for a discussion of the wells, cores, samples and significant features of the stratigraphy.

The Shields Federal #2-24, #5-24 and 6A-24 WELLS are now monitored every Sunday. Last bailing was 4/13/82 with no oil recovered (see- April 27 Report).

Currently, on May 16, Well #2-24 had a strong acid odor, #5-24 had an acid to neutral odor and #6A-24 had a very strong petroleum odor when 2" valve was opened. All wells flowed some water vapor with a waxy feel

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE May 19, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

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MAY 24 1982

D & G CONS. COMM.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Tests

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR
320 Bellino Dr., Pacific Palisades, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2-24, 2310 f E 1 & 1650 f S 1
AT SURFACE: 5-24, 2310 f S 1 & 2310 f W 1
AT TOP PROD. INT: 6A-24, 1647 f E 1 & 2309 f S 1
AT TOTAL DEPTH: Sec 24, T41N- R1W

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Update of Operations <input type="checkbox"/>	<input type="checkbox"/>

5. LEASE NO. A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shields Federal

9. WELL NO.
2-24, 5-24 and 6A-24

10. FIELD OR WILDCAT NAME
White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH | 13. STATE
Coconino | Arizona

14. API NO. 02-005-20015 (2-24)
20017 (5-24) and 20018 (6A-24)

15. ELEVATIONS (SHOW DF, KDB, AND WD)
2-24 (5072'), 5-24 (5037'), 6A-24 (5066')

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Since last report, 4/13/82, the Shields Federal #2-24, 5-24 and 6A-24 wells continue to be monitored. There has been no change in their performance. Well #6A-24 continues to be reported as having a strong crude-refinery odor. Gauge pressure is 3# with gases coming up through 4" ID casing. The wells were swabbed last week. No oil reported. Recovered 6 feet of fluid in #2-24, 6 feet in #5-24 and 25 feet in #6A-24. I would like to continue to monitor these wells on a weekly basis for the time being. Your cooperation will be greatly appreciated. Logs of all wells except Shields #1-24 (not logged) are in the mail to you, plus a review of our results to date. Please note a change in your file. Elevation resurveyed at #2-24. Change 5078' to 5072'

RECEIVED

MAY 3 1982

O & G CONS. COMM.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE April 27, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

771

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Tests

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR
320 Bellino Dr., Pacific Palisades, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2-24, 2310 f E 1 & 1650 f S 1
AT SURFACE: 5-24, 2310 f S 1 & 2310 f W 1
AT TOP PROD. INT: 6A-24, 1647 f E 1 & 2309 f S 1
AT TOTAL DEPTH: Sec 24, T41N- R1W

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Update of Operations	<input type="checkbox"/>	<input type="checkbox"/>

5. LEASE
10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shields Federal

9. WELL NO.
2-24, 5-24 and 6A-24

10. FIELD OR WILDCAT NAME
White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH
Coconino

13. STATE
Arizona

14. API NO. 02-005-20015 (2-24)
20017 (5-24) and 20018 (6A-24)

15. ELEVATIONS (SHOW DF, KDB, AND WD)
2-24 (5078'), 5-24 (5037'), 6A-24 (5066')

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Since last report - 3/15/82, the SF #2-24, SF #5-24 and SF #6A-24 continue to be monitored. There has been little change in their performance. A second gas sample taken on March 21 was analyzed by Core Lab as almost entirely made up of nitrogen and carbon dioxide. Bailing on March 12 recovered less fluid than previously and no oil. Next bailing, depending on availability of driller, scheduled for this month. Well pressures are stable and will now be checked on a weekly basis. Well #6A-24 continues to be reported with strong petroleum-crude oil odor.

RECEIVED

APR 19 1982

O & G CONS. COMM.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE April 13, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Tests

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR
320 Bellino Dr., Pacific Palisades, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2-24, 2310 f E 1 & 1650 f S1
AT SURFACE: 5-24, 2310 f S 1 & 2310 f W1
AT TOP PROD. INT: 6A-24, 1647 f E 1 & 2309 f S1
AT TOTAL DEPTH: Sec 24, T41N- R1W

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Update of Operations		

5. LEASE
A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shields Federal

9. WELL NO.
2-24, 5-24 and 6A-24

10. FIELD OR WILDCAT NAME
White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH 13. STATE
Coconino Arizona

14. API NO. 02-005-20015 (2-24)
20017 (5-24) and 20018 (6A-24)

15. ELEVATIONS (SHOW DF, KDB, AND WD)
2-24 (5078'), 5-24 (5037'), 6A-24 (5066')

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Since last report 2/23/82, the #2-24, #5-24 and 6A-24 wells continue to be monitored and bailed. Wells are now checked twice a week and bailed once every two weeks. Details of last bail 3/12 not available. All three wells were bailed. Recovery was slightly foamy water with rainbows. Latest monitor 3/14/82. Very windy. #2-24, 1 1/2 psi - strong odor. Bled down in 2 1/2 min; #5-24, 1 psi - slight acid petroleum odor. Lots of color. Bled down in 5 1/2 min; #6A-24, 2 1/2 psi - petroleum odor. Lots of color. Bled down in 58 min. Core Lab, Inc. submitted report on gas sample from 6A-24 (attached). High nitrogen (70%) would indicate continued blow back after treating. High carbon dioxide would indicate successful acidization of formation dolomite. Very low hydrocarbon content was a surprise as 6A-24 has been reported for some time as having a strong petroleum odor, ie: similar to odor of oil in cores. It is probable that the well flowed a slug of N₂ and CO₂ during the sampling period and on occasion otherwise. Another gas sample will be taken 3/21.

18. I hereby certify that the foregoing is true and correct

SIGNED Jym. Shields TITLE President DATE March 15, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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MAR 17 1982

O & G CONS. COMM.

*See Instructions on Reverse Side

771

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Form 9-331
Dec. 1973

MAR 1 1982

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

O & G CONS. COMM.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Tests

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR
320 Bellino Dr., Pacific Palisades, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2-24, 2310 f E 1 & 1650 f S 1
AT SURFACE: 5-24, 2310 f S 1 & 2310 f W 1
AT TOP PROD. INT: 6A-24, 1647 f E 1 & 2309 f S 1
AT TOTAL DEPTH: Sec 24, T41N- R1W

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Update of Operations <input type="checkbox"/>	

5. LEASE
A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shields Federal

9. WELL NO.
(2-24) 5-24 and 6A-24

10. FIELD OR WILDCAT NAME
White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH | 13. STATE
Coconino | Arizona

14. API NO. 02-005-20015 (2-24)
20017 (5-24) and 20018 (6A-24)

15. ELEVATIONS (SHOW DF, KDB, AND WD)
2-24 (5078'), 5-24 (5037'), 6A-24 (5066')

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Since last report (2/2/82), the 2-24, 5-24 and 6A-24 wells continue to be monitored and bailed when possible. Latest schedule is to monitor every 3 days subject to road conditions and bail every 10 to 14 days depending on availability of driller. The Cluff cable tool rig is on site. Wells have been equipped with reducers, gauges and small fittings to 1/2" for more accurate check of pressure and odor and for gas sampling. Gas sample was not obtained from 6A-24 due to valve problem. I was at the lease on 2/14 and 2/15 and witnessed monitoring procedures and also filled 3 Core Lab gas cylinders @ 6A-24. Driller bailed on 2/15. Driving conditions were terrible due to thaw of 8" snow pack and #5-24 could not be reached. Driller bailed #2-24 (a few gals of acidic water) and #6-24 (about 16 gals clear foamy water with oily irridescence on bubbles and slight acidic odor). Next bailing is scheduled for 2/25/82. Gas cylinders are at Core Lab for analysis (3/1). Latest monitor report 2/22/82: #2-24, 1 1/2# pressure, acidic to slightly oily odor; #5-24, 1 1/2# pressure, acidic-oily odor; #6A-24, 4# pressure, strong gas-oil odor. Pressure bled down in 37 min. After discussion with Core Lab it appears fairly certain that the gas is coming out of the 34⁰-36⁰ gravity oil reservoir & is not natural gas from a pocket. This gas solution drive has not brought in any oil as yet.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE February 23, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

771

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FEB 4 1982
O & G CONS. COMM.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Tests

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR
320 Bellino Dr., Pacific Palisades, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2-24, 2310 f E 1 & 1650 f S1
AT SURFACE: 5-24, 2310 f S 1 & 2310 f W1
AT TOP PROD. INT: 6A-24, 1647 f E 1 & 2309 f S1
AT TOTAL DEPTH: Sec 24, T41N- R1W

5. LEASE
A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shields Federal

9. WELL NO.
2-24, 5-24 and 6A-24

10. FIELD OR WILDCAT NAME
White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH
Coconino

13. STATE
Arizona

14. API NO. 02-005-20015 (2-24)
20017 (5-24) and 20018 (6A-24)

15. ELEVATIONS (SHOW DF, KDB, AND WD)
2-24 (5078'), 5-24(5037'), 6A-24(5066')

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Update of Operations	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Since last report (1/25/82) the subject wells have been monitored when possible. Due to bad weather and a rig breakdown, they were not bailed down until 1/30/82. Recovery was 3 gals of foamy acid water in #2-24, 11 gals of slightly acid water in #5-24 and 16 gals of foamy, milky to tan brown water in #6-24. Latest report, 2/1/82, after 24 hr shut-in: #2-24 slight press, gassy to neutral odor; #5-24 slight press, gassy and acid odor; #6A-24 gd press, gassy odor.

Water sample analysis showed very high chlorides (105,000ppm) and high Ca (27,000ppm) & Mg (16,000ppm) in #2-24; fairly high chlorides (22,000ppm) and Ca (10,000ppm) in #5-24; and readings approaching fresh water in #6A-24. Wax sample was in the paraffin family. It is possible that #5-24 may be treated with xylene if necessary. Gas sample was obtained from #6A-24 on 1/31/82 and sent to Core Lab in CA for analysis. I may go over to the lease this week-end.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE February 2, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

721

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Tests

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR
320 Bellino Dr., Pacific Palisades, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2-24, 2310 f E 1 & 1650 f S1
AT SURFACE: 5-24, 2310 f S 1 & 2310 f W1
AT TOP PROD. INT 6A-24, 1647 f E 1 & 2309 f S1
AT TOTAL DEPTH: Sec 24, T41N- R1W

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE NO. A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shields Federal

9. WELL NO.
2-24, 5-24 and 6A-24

10. FIELD OR WILDCAT NAME
White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH | 13. STATE
Coconino | Arizona

14. API NO. 02-005-20015 (2-24)
20017 (5-24) and 20018 (6A-24)

15. ELEVATIONS (SHOW DF, KDB, AND WD)
2-24 (5078'), 5-24(5037'), 6A-24(5066')

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Update of Operations		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Since last report (1/16/82), the subject wells have been monitored on a daily basis and were last bailed on 1/16. There was no oil recovered but samples of water were shipped to the Halliburton Lab in California for analysis. Also turned to Lab was a sample of the waxy paraffine material found in #5-24. Results will be made available.

On 1/17, a strong gas odor was noted in #6A-24 plus an oily vapor. Pressure seemed stronger but registered only 1 1/2 psi. Core Lab in LA dispatched w vacuum bottles to our agent in Kanab, Bob West. He will fill one bottle from #6A-24 and return at once for detailed analysis (CO₂, N₂, H₂S, SO₂, Methane, Propane, etc.). Results will be communicated.

During the week, the weather moved in and wells could not be bailed. Due also to a mechanical problem, next attempt will be made on 1/28.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE January 8, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

JAN 28 1982

O & G CONS. COMM.

771

RECEIVED
Dec. 1973

JAN 20 1982

O & G CONS. COMM.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Tests

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR
320 Bellino Dr., Pacific Palisades, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2-24, 2310 f E 1 & 1650 f S1
AT SURFACE: 5-24, 2310 f S 1 & 2310 f W1
AT TOP PROD. INT: 6A-24, 1647 f E 1 & 2309 f S1
AT TOTAL DEPTH: Sec 24, T41N- R1W

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Update of Operations <input type="checkbox"/>	<input type="checkbox"/>

5. LEASE NO. A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME Shields Federal

9. WELL NO. 2-24, 5-24 and 6A-24

10. FIELD OR WILDCAT NAME White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH Coconino 13. STATE Arizona

14. API NO. 02-005-20015 (2-24) 20017 (5-24) and 20018 (6A-24)

15. ELEVATIONS (SHOW DF, KDB, AND WD) 2-24 (5078'), 5-24(5037'), 6A-24(5066')

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Since last report (1/6/82), the subject wells continued to be bailed on a daily basis until 1/12/82. On that date, Jim Williams Well Drilling, the contractor, moved their rig back to base @ Prescott, Arizona. As of 1/13/82, wells will be checked on a daily basis for pressures and odor, and bailed using cable tool rig (Cluff Drilling Company) every fifth day. Average daily fluid recoveries to 1/12/82 were: #2-24, 1-2 gals; #5-24, 1-2 gals; #6A-24, 4-5 gals. All fluid appeared to be foamy with spent acid odor. There is no oil to date. Valves and gauges have been installed. When shut in, all wells build pressures of less than 10 psi. The three wells now have gas odor when opened. Gas will not light.

Monitoring continues. Any significant change will be reported promptly.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE January 6, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

774

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JAN 11 1982

O & G CONS. COMM

5. LEASE

A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shields Federal

9. WELL NO.

2-24, 5-24 and 6A-24

10. FIELD OR WILDCAT NAME

White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH

Coconino

13. STATE

Arizona

14. API NO. 02-005-20015 (2-24)
20017 (5-24) and 20018 (6A-24)

15. ELEVATIONS (SHOW DF, KDB, AND WD)
2-24 (5078'), 5-24 (5037'), 6A-24 (5066')

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Tests

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR
320 Bellino Dr., Pacific Palisades, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2-24, 2310 f E 1 & 1650 f S 1
AT SURFACE: 5-24, 2310 f S 1 & 2310 f W 1
AT TOP PROD. INT: 6A-24, 1647 f E 1 & 2309 f S 1
AT TOTAL DEPTH: Sec 24, T41N-R1W

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Update of Operations	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Since last report, the subject wells continue to be bailed on a daily basis. Recovery includes slightly foamy, spent acid water with a brownish color (#2 and #5) and a blackish color (#6A). There is an acid odor.

When shut in for 24 hours, all wells build pressure. Reducers from 4" T to 2" and valves are being installed on #5 and #6A. Gauges are planned for each well. There has been no indication of hydrocarbons excepting iridescence in recovered fluid, a natural gas odor in #5 when first opened, and the recovery of a small amount of cloudy white paraffin in the 3 wells.

Monitoring will continue with any changes reported.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE January 6, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

774

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat Test

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR 90272
320 Bellino Dr., Pacific Palisades, CA

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2310 f E line & 1650 from S
AT TOP PROD. INTERVAL: line of
AT TOTAL DEPTH: Sec 24, T41N-R1W

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) Update of Operations

SUBSEQUENT REPORT OF:

RECEIVED

DEC 22 1981

NOTE: Report results of multiple completion or zone change on Form 9-330.)

O & G CONS. COMM.

5. SE
A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME AY

7. UNIT AGREEMENT NAME AS

8. FARM OR LEASE NAME
Shields Federal

9. WELL NO.
2-24

10. FIELD OR WILDCAT NAME
White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH Coconino 13. STATE Arizona

14. API NO.
02-005-20015

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5078'

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled to 502' TD on November 18, 1981. No entry of hc or significant water. Cleaned out and Welex logged to 496' on 12/7/81, using Comp Density-Gamma and Dual Induction-Gamma. Plugged back to 480' using dump bailer and 3 sx cement. Filled hole with sdy gravel to 435'. On 12/9/81, Halliburton cemented 4 1/2" csg @ 430' using 25sx with H. cement float shoe. Cleaned out to PBTD @ 480'. Halliburton fraced with 1000 gals of 15% HCL foamed with N2. Solution was put away with pressures to 1000 psi on 12/16/81. Well flowed back. considerable foam and acid water and is currently being bailed.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE December 18, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

771

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Strat test

2. NAME OF OPERATOR
Shields Exploration Company

3. ADDRESS OF OPERATOR 90272
320 Bellino Dr., Pacific Palisades, CA

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2310' f s. line & 2310' f w.
AT TOP PROD. INTERVAL: line, Sec 24
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
A - 10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shields Federal

9. WELL NO. # 2-24

10. FIELD OR WILDCAT NAME
White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
24, T41N-R1W, G & SRBM

12. COUNTY OR PARISH | 13. STATE
Coconino | Arizona

14. API NO.
02-005-20017

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5078'

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) Drilling Report

RECEIVED

NOV 20 1981 (NOTE: Report results of multiple completion or zone change on Form 9-330.)

O & G CONS. COMM.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded November 11, 1981 (Jim Williams Drilling Company) using 10" hammer drill and air. Ran and cemented 7" - 20.5 # - J55 well csg @ 80' using 31 sax cmt. Flanged up and installed special 5" blooey line, using wipers, to carry dust and cuttings away from rig area. Drld out of 7" casing in ls, ss, dolo and chert, using 6 1/2" hammer drill, to coring point at 453 1/2' on November 13. November 14, using 4 7/8" Christensen diamond bit, cored to 462 1/2' recovering 9' of which the lower 3' were mostly vfg dolomite. Shut in over Sunday. November 16 - no water or hc in hole. Cored from 462 1/2' - 471 1/2'. Recovered 9' of carbonates, shale, siltstone and anhydrite. Opened hole to 6 1/2" by roller bit to 471 1/2' and drld ahead to 479. SION. Plan to drill to 500' TD and spud Shields Federal # 4-24 on Wed., November 18.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE November 17, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

On Nov. 3 & 4, 1981, A. K. Doss and I visited the well site area in Coconino Co. where Jay M. Shields, operator, was preparing to drill wells

2-24 Federal	(Permit 771)
4-24 Federal	" 772
5-24 Federal	" 774
6-24 Federal	" 775

Approval to drill these wells had been granted to the operator by the primary agency, USGS, and this Commission

Our visit revealed that the operator was planning to deviate from the approved drilling program without notifying the agencies, as follows:

1. Change the method of cementing the surface casing from conventional displacement method to that of cementing the annulus from the surface.
2. Not making any provision for blowout prevention equipment while drilling below the surface casing.

We informed Bob Kohlbush of the USGS office in Bakersfield, Calif., of the situation and he concurred with our recommendation that the operator cement the surface casing and provide the well with adequate blowout prevention equipment as originally approved.

The operator was informed and agreed to comply with our recommendations.

R.A.Y.

R. A. Ybarra
11-9-81

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Attempted Completion
2. NAME OF OPERATOR
Shields Exploration Company
3. ADDRESS OF OPERATOR CA 90272
320 Bellino Drive, Pacific Palisades
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1650' F SL + 2310' F EL
AT TOP PROD. INTERVAL: see 24
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHANGE ZONES
ABANDON*
(other) Notice of Spud Date

5. LEASE A - 10457
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Shields Federal
9. WELL NO. 2-24
10. FIELD OR WILDCAT NAME
White Sage Prospect
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 24, T41N-R1W, G&SRBM
12. COUNTY OR PARISH Coconino 13. STATE Arizona
14. API NO. 02-005-20015
15. ELEVATIONS (SHOW DF, KDB, AND WD)
50781

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)
Jim Williams Drilling Company: Drilling will commence on or about ~~October 30~~ ^{Nov 2}, 1981-
The Shields Federal #2-24, 4-24, 5-24 & 6-24 will be drilled in sequence to the surface casing point at 80' and 7" casing will be run and cemented in each well allowing 24 hrs setting. Wells will then be drilled consecutively to respect. total depths, coring where indicated. Cores will be shipped to CORE LAB and HALLIBURTON for analysis. A BOP and/or Gate Valve will be used.

WELEX: Wells will be logged using Induction, Gamma Ray and Density.

FURTHER NOTICES WILL BE FORWARDED AS OPERATIONS PROCEED

TELEPHONE COMMUNICATION WILL BE USED IF NECESSARY

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Ray M. Shields TITLE Pres. Shields Expl. Co. DATE 10/31/81
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

NOV 2 1981

O & G CONS. COMM.

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RECEIVED

NOV 2 1981

O & G CONS. COM

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE:
SERIAL NO.: A 10457

and hereby designates

NAME: SHIELDS EXPLORATION COMPANY
ADDRESS: 320 BELLINO DRIVE, PACIFIC PALISADES, CA 90272

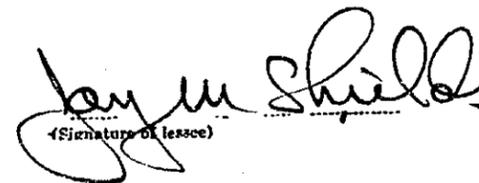
as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

T 41 N - R 1 W.
Sec. 23, E $\frac{1}{2}$; Sec. 24, All; Sec. 25, All; Sec. 26, E $\frac{1}{2}$;
T. 41 N - R 1 E.
Sec. 19, Lots 1, 2, 3, 4 and E $\frac{1}{2}$ W $\frac{1}{2}$;
Sec. 30, Lots 1, 2, 3, 4 and E $\frac{1}{2}$ W $\frac{1}{2}$.,
containing 2558.12 acres, Coconino County, Arizona.

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.


(Signature of lessee)

October 25, 1981
(Date)

320 Bellino Drive, Pacific Palisades, Ca
(Address) 90272

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

RECEIVED

SEP 16 1981

JAY M. SHIELDS, OPERATOR
NAME OF COMPANY OR OPERATOR

320 BELLINO DRIVE

PACIFIC PALISADES

CALIFORNIA CONS. 90002

Address

City

State

JIM WILLIAMS DRILLING COMPANY

Drilling Contractor

737 3rd STREET

PRESCOTT

ARIZONA

86301

Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor FEDERAL #A 10457	Well number SHIELDS FEDERAL #2-24	Elevation (ground) 5078
Nearest distance from proposed location to property or lease line: 4980 E feet	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: 490 feet	
Number of acres in lease: 2558	Number of wells on lease, including this well, completed in or drilling to this reservoir: three	
If lease, purchased with one or more wells drilled, from whom purchased: Name Address		
Well location (give footage from section lines) 2310 from E & 1650 from S lines	Section—township—range or block and survey 24 41N 1W GSRBM	Dedication (Comply with Rule 105) STRAT TEST 6/2-5/81
Field and reservoir (if wildcat, so state) WILDCAT	County COCONINO	
Distance in miles, and direction from nearest town or post office FREDONIA IS 11 MILES WEST.		
Proposed depth: 500'	Rotary or cable tools ROTARY	Approx. date work will start OCTOBER 15, 1981
Bond Status <u>On file</u> Amount \$25,000	Organization Report On file Or attached <input checked="" type="checkbox"/>	Filing Fee of \$25.00 Attached <input checked="" type="checkbox"/>
Remarks: Plan to drill, coring where indicated, to approximately 500' using 6 1/2" Hammer Drill with Air, then log (Welex) using Density, Gamma-Neutron and Induction. Cores will be sent to Core Lab for testing.		

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Lessee-Operator of the WHITE SAGE Prospect, and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Jay M. Shields
Signature
September 14, 1981
Date

Permit Number: 2771
Approval Date: 9-17-81
Approved By: *[Signature]*

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

Form No. 3

- Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
- A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
- All distances shown on the plat must be from the outer boundaries of the Section.
- Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO **o & c CONS. COMM.**
- If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO If answer is "yes," Type of Consolidation _____
- If the answer to question four is "no," list all the owners and their respective interests below:

RECEIVED

SEP 16 1981

Owner	Land Description
	NW 1/4, SE 1/4, SEC 24, T41N, R1W, G.P.S.E. Mex

CERTIFICATION	
I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
Name	<i>Byron Shields</i>
Position	<i>operator</i>
Company	_____
Date	<i>9/14/81</i>

I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
Date Surveyed	<i>4-18-81</i>
Registered Professional Engineer and/or Land Surveyor	<i>Philip L. Drake</i>
Certificate No.	<i>15 4876 UT.</i>

Owner	Land Description
	NW 1/4, SE 1/4, SEC 24, T41N, R1W, G.P.S.E. Mex

T41N	
Shields Federal #2-24 Elev <u>5078</u>	
24	
2310'	
Set 1/2" rebar	
1650'	

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
7"	14	.231	0'	80'	80'	Portland



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: JAY M. SHIELDS
(OPERATOR)

to drill a well to be known as

2-24 FEDERAL

(WELL NAME)

located 1650' FROM SOUTH LINE, 2310' FROM EAST LINE (NW/4 SE/4)

Section 24 Township 41 NORTH Range 1 WEST COCONINO County, Arizona.

The W/2 SE/4 of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 17th day of September, 19 81.

OIL AND GAS CONSERVATION COMMISSION

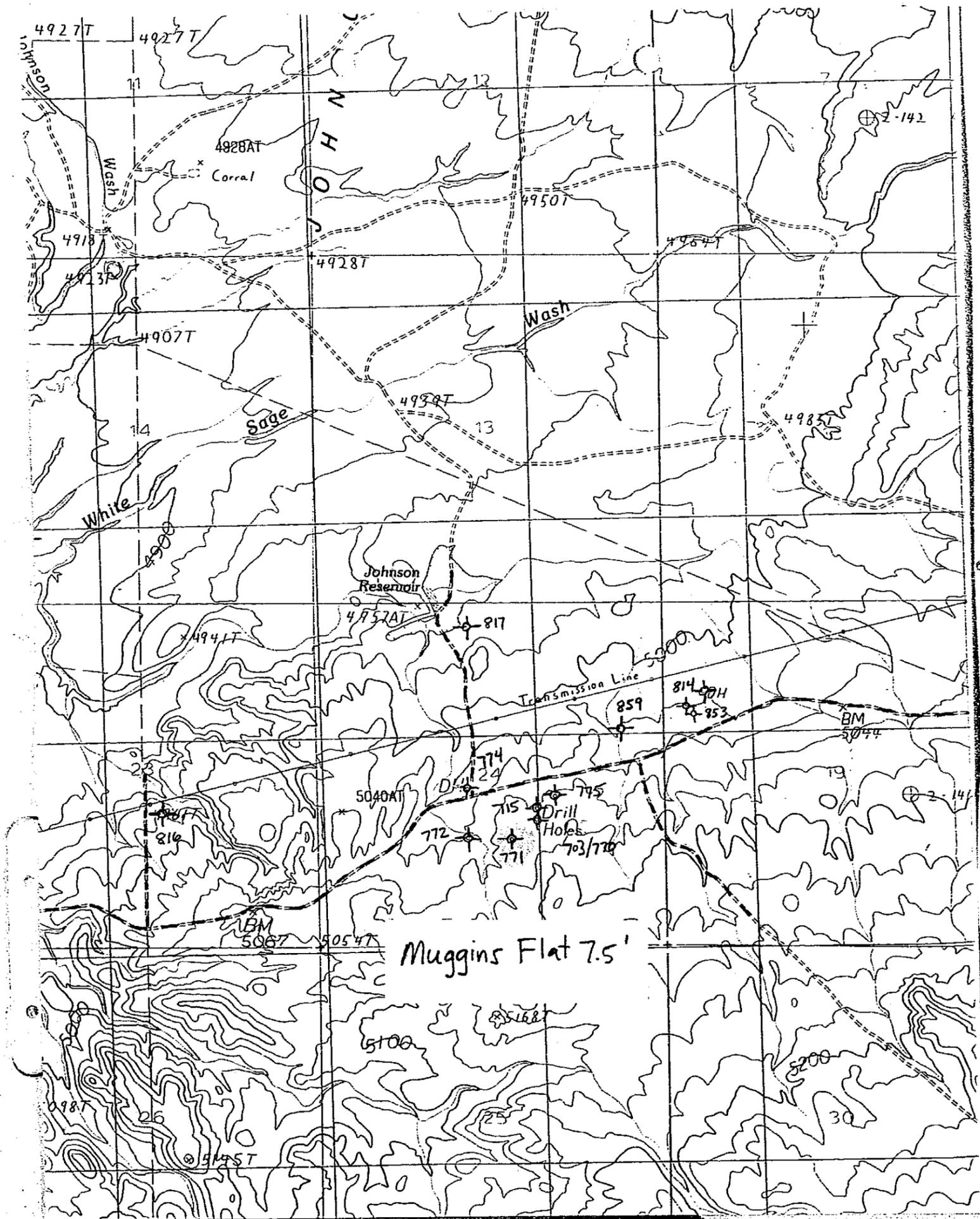
By [Signature]
EXECUTIVE SECRETARY

PERMIT N^o 771

RECEIPT NO. 2132
API NO. 02-005-20015

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill
FORM NO. 27

TEN FOOT SAMPLES ARE REQUIRED FROM SURFACE



SHIELDS EXPLORATION CO.
320 BELLINO DRIVE
PACIFIC PALISADES, CA 90272
PHONE (213) 459-2490

2-24 771
RECEIVED
OCT 18 1983
D & G CONS. COMM.

October 14, 1983

Mr. Rudy Ybarra
Oil and Gas Conservation Commission
State of Arizona
1645 West Jefferson, Suite 420
Phoenix, Arizona 85007

Dear Rudy:

I understand from Bob West that you and AK were up in Fredonia a short while ago just after we left. Sorry to have missed you and sorry to hear that the Brooks Well didn't find anything.

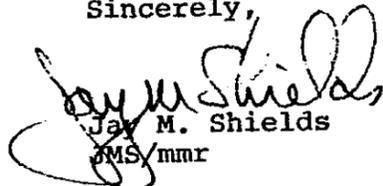
We were up at our lease primarily to bail the shallow wells. Results are attached. We will now have to bite the bullet and go about abandonment procedures. I had hoped that we would see a little oil after fracing. Would you please send me a batch of the necessary abandonment forms?

The shallow well data has also been sent on to the BLM in St. George together with water samples of the #1-23, #11-24 and #1-19A wells. The other wells were frac'd and fluid is still strongly acid.

Did you see the Article in the September Issue of the Oil and Gas Investor? Sure a lot of smoke with no fire. Maybe 1984 or ?

Very best to you both. Will keep you advised and hold kind thoughts.

Sincerely,


Jay M. Shields
JMS/mmr

Enclosures: Bailing Redord
cc Oil & Gas Investor Magazine article

Shiels -

I sent the requested forms on 10/30/83

SHIELDS EXPLORATION CO.

320 BELLINO DRIVE
PACIFIC PALISADES, CA 90272
PHONE (213) 459-2490

RECEIVED

OCT 18 1983

O & G CONS. COMM.

October 14, 1983

INTERIM REPORT
WHITE SAGE PROSPECT - COCONINO COUNTY, AZ

Existing shallow wells, all drilled by Air-Hammer, were bailed on September 26, 1983. Results were as follows:

- SF #2-24 - Spud 11/11/81. TD 500'. PBTd 480'. Cored 454'-472'. Rec 18'. Log DIL - CDL. Cmtd 4½" csg @ 430'. Acid HCl + N₂. Valve opened. Slight pressure - acid odor. Recovered bits grey ss and grey mud. No fluid.
- SF #4-24 - Spud 11/19/81. TD 750'. PBTd 475'. Cored 445' - 460' and 731' - 750'. Rec 34'. Log DIL - CBL. Cmtd 4½" csg @ 426'. 4½" Bull Plug opened. Weak blow. Odd odor, slightly acidic. Recovered small amount blk sludge. No fluid.
- SF #5-24 - Spud 11/4/81. TD 480'. Cored 453' - 462'. Rec 9'. Log DIL - CDL. Cmtd 4½" csg @ 434'. Acid HCl + N₂. Valve was open. No pressure. S and acid odor. Recovered cloudy, acidic water. Approx 10' water in hole.
- SF #6A-24 - Spud 12/1/81. TD 490'. Cored 465' - 473'. Rec 8". Log DIL - CDL. Cmtd 4½" csg @ 434'. Acid HCl + N₂. Valve was open. No pressure. No odor. Recovered clear, acidic water. Top water 400' + or -.
- SF #11-24 - Spud 8/28/82. TD 540'. Cmtd 7" csg @ 40'. Hole open to TD. Sampled. Not logged. Plate - no valve. No pressure. No odor. Recovered several cans light tan water. Slight S odor. Top water 450' + or -.
- SF #1-23 - Spud 9/14/82. TD 550'. Cmtd 7" csg @ 55'. Hole open to TD. Sampled. Not logged. Plate. No valve. No odor. Top water @ approx 400'. Recovered lite tan water, earthy odor.
- SF #1-19 - Spud 8/30/82. TD 420'. Drill stuck. Abandoned hole. Sampled. Not logged. Marked with 4' = 4½" pipe. P & A 9/13/82.
- SF #1-19A - Spud 9/7/82. TD 500'. Cmtd 7" csg @ 40'. Hole open 100'N 30°W to TD. Sampled. Not logged. Plate. No valve. Small Offset to amt. fluid @ TD. Top approx. 490'. Recovered lite SF #1-19. greyish water with oily odor.
- SF #1-24 - TD 482'. P&A 12/30/81.
- TF #1-24 - TD 900'. P&A 9/13/82.

SHIELDS EXPLORATION CO.

320 BELLINO DRIVE
PACIFIC PALISADES, CA 90272
PHONE (213) 459-2490

RECEIVED

FEB 1 1983

O & G CONS. COMM.

*AKS
24*

January 27, 1983

Mr. A. K. Doss, Secretary
Oil And Gas Conservation Commission
State of Arizona
1645 West Jefferson, Suite 420
Phoenix, AZ 85007

Dear A.K:

The attached Sundry Notices cover all active wells on the White Sage Prospect. Copies have been sent to John Wagner, MMS, Bakersfield, CA.

I would appreciate your approval of my requests for delay in abandonment. There still could be some effective method to stimulate these wells. Keeping them set up for monitoring for a while yet could provide important, if only of a negative nature. We collected some water samples and expect to have them analyzed.

I am working on new plans for the deeper test, SF #10-24 (Application on hold in your file) and may change location. I would appreciate no mention of anything yet and do appreciate your care in releasing information last year.

Will keep you fully advised. Perhaps Sumatra will turn up something. Their location is not too bad.

All good wishes for the New Year and a few Discoveries!

Sincerely,


Jay M. Shields
JMS/dmr

n.b. I hear from MMS that BLM will be regulatory agency soon with HQ there in Phoenix.

Enclosures: Sundry Notices for SF Wells #1-19A, #1-23, #11-24, #2-24, #4-24, #5-24 and #6A-24

SHIELDS EXPLORATION COMPANY
320 Bellino Drive
Pacific Palisades, California 90272
(213) 459-2490

RECEIVED

JUL 12 1982

O & G CONS. COMM.

July 7, 1982

A. K. Doss, Secretary
Oil and Gas Conservation Commission
State of Arizona
1645 West Jefferson, Suite 420
Phoenix, Arizona 85007

Dear Mr. Doss:

Enclosed are cuttings from four shallow wells drilled by Shields Exploration Company east of Fredonia in Coconino County and all located in Section 24, T41N-R1W, G&SRBM.

P/N

771

Shields Federal #2-24:
TD 500'. Cored 454 - 472. Recovered 18'.

S/N
1835

772

Shields Federal #4-24:
TD 750'. Cored 445 - 460 and 731 - 750.
Recovered 34'.

1836

774

Shields Federal #5-24:
TD 480'. Cored 450½ - 463½. Recovered 10½'.

1837

775

Shields Federal #6A-24:
TD 491'. Cored 465 - 473. Recovered 8'.

1838

Would you be good enough to acknowledge receipt of these cuttings using the enclosed self-addressed envelope.

SHIELDS 1981 PROGRAM

by Shields Exploration Company, General Partner

Jay M. Shields
Jay M. Shields, President
JMS/mmfr

Enclosure: Self-addressed envelope
cc: John Wagner, District Supervisor
USDI Minerals Management Service
Bakersfield, California

No envelope enclosed

SHIELDS EXPLORATION COMPANY
320 Bellino Drive
Pacific Palisades, California 90272
(213) 459-2490

RECEIVED

JUN 28 1982

O & G CONS. COMM.

AKS
RAY

June 23, 1982

Mr. A. K. Doss, Secretary
Oil and Gas Conservation Commission
State of Arizona
1645 West Jefferson, Suite 420
Phoenix, Arizona 85007

Dear Mr. Doss:

Enclosed are various Sundry Notices updating the situation at our White Sage Prospect.

For various reasons, I have decided to delay the drilling of our deep test and, as discussed with you and Mr. Ybarra, I want to proceed with further drilling to try and get downdip and locate some permeability in the fine grained oil-bearing dolomite of the shallow Kaibab formation. See attached Map for update and planned locations of the 4-well shallow program. We will be surveying shortly and should have USGS applications ready next week. Will then send Arizona Applications to your Office for approval. I hope to get started in late July - early August. You and Rudy plan to come up. It might be cooler there.

It was a pleasure seeing you people in April and I look forward to another meeting hopefully on my lease. The people in Cottonwood are apparently delayed due to Forest Service permitting. I may be working with them.

Your cooperation in our efforts to find Arizona oil is greatly appreciated.

Sincerely,

Jay M. Shields
Jay M. Shields
JMS

Enclosures: Sundry Notices-#2, 4, 5; #4-24; #T1-24
White Sage Prospect Map

On the desk of:

JAY SHIELDS

Wed, 1, 1982

Dear A.K.

This brings us
up to date. I expect
to be ready to file
on 4-well shallow
program shortly -
will keep in touch
and thanks for Sedona-
Cottonwood contact, "I
think";

Regards to you both,
Jay Shields

RECEIVED

MAY 24 1982

D & G CONS. COMM.

Dear Mr. Jones:

9/21/81

Just received my ^{AKA}
Permits and approvals for
S1-24, T1-24, S2-24 + S4-24
Your efficient processing
is greatly appreciated. ^{AKA}

September 17, 1981

Jay M. Shields
320 Bellino Dr.
Pacific Palisades, Calif. 90272

Re: Travis 1-24 Federal, Permit 770
Shields 2-24 Federal, Permit 771
Shields 4-24 Federal, Permit 772
Shields 1-24 Federal, Permit 715

Dear Mr. Shields:

Enclosed are approved copies of Application for Permit to Drill, permits and receipts for your three new wells. Also enclosed is approved copy of Application to Abandon and Plug your 1-24 Federal well.

We are enclosing plugging record and well completion forms for the latter well.

If we can be of further service, please advise.

Sincerely,

A. K. Doss
Executive Director

/os
Encl.

Jay M. Shields, 320 Bellino Drive, Pacific Palisades, California 90272
(213) 459-2490 or 459-1298

September 15, 1981

Mr. A. K. Doss, Secretary
Arizona Oil and Gas Conservation Commission
Suite 420
1645 West Jefferson
Phoenix, Arizona 85007

RECEIVED

SEP 16 1981

O & G CONS. COMM.

Re: 771 SHIELDS FEDERAL # 2-24, T41N-R1W, Coconino County, Arizona
SHIELDS FEDERAL # 4-24, T41N-R1W, Coconino County, Arizona
TRAVIS FEDERAL # 1-24, T41N-R1W, Coconino County, Arizona
SHIELDS FEDERAL # 1-24, T41N-R1W, Coconino County, Arizona

Dear Mr. Doss:

I would like to make formal requests for two (2) Drilling Permits for two (2) wildcat wells, the SHIELDS FEDERAL #2-24 and the SHIELDS FEDERAL #4-24, to be drilled for oil in Section 24, T41N-R1W in Coconino County, AZ. I am also filing an Application for Permit to Re-enter the TRAVIS FEDERAL #1-24 and an Application to Abandon and Plug the SHIELDS FEDERAL #1-24, all in Section 24, T41N-R1W, Coconino, Arizona.

In accordance with requirements of the Commission, I enclose the following forms and documents:

1. SHIELDS FEDERAL #2-24 and SHIELDS FEDERAL #4-24
 - a) Application for Permit to Drill including Survey Plat of Location by Phil Drake, R.L.S., Utah, for Shields Federal #2-24 and Shields Federal #4-24.
 - b) Designation of Operator/SF #2-24 and SF #4-24
 - c) Organization Reports/SF #2-24 and SF #4-24
 - d) 2 (two) checks for filing fee (\$25.00 each) - SF #2-24 and SF #4-24
2. TRAVIS FEDERAL #1-24
 - a) Application for Permit to Drill or Re-enter including Survey Plat of Location by Ernest V. Echohawk, R.L.S., Arizona, for Travis Federal #1-24.
 - b) Designation of Operator/TF #1-24
 - c) Organization Report/TF #1-24
 - d) Check for Filing Fee (\$25.00) for TF #1-24
3. SHIELDS FEDERAL #1-24
 - a) Application to Abandon and Plug Shields Federal #1-24 including Survey Plat of Location by Kenneth J. Brown, R.L.S., Arizona
 - b) Designation of Operator/SF #1-24
 - c) Organization Report/SF #1-24

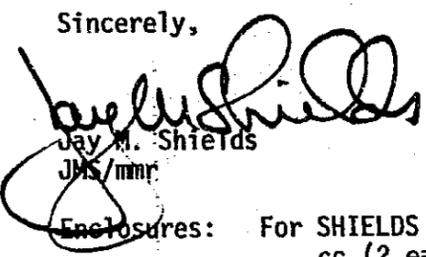
On file in your office is a Performance Bond for \$25,000.

SHIELDS APPLICATIONS
Page 2

Looks like things may get a little busy for you. All of the above applications have been filed with John Wagner, USGS (the Federal Government, Bakersfield, CA) and the BLM. They have already approved the Application to Re-enter the Travis Federal #1-24 Well. The USGS and the BLM should have the applications processed within 10 days, and I expect to get underway by October 15. It is my plan to drill these wells and two (2) others (Shields Federal #5-24 and Shields Federal #6-24 which are currently being surveyed) in series and then log, etc., one after the other.

Your interest and cooperation are appreciated and I will keep you advised at all times.

Sincerely,


Jay M. Shields
JMS/mmr

- Enclosures: For SHIELDS FEDERAL # 2-24 and SHIELDS FEDERAL #4-24
cc (2 each) Application for Permit to Drill & Survey Plats
cc (2 each) Designation of Operator
cc (1 each) Organization Report
check for \$25.00 Filing Fee (1 Each)
- For TRAVIS FEDERAL #1-24
cc (2 each) Application for Permit to Drill or Re-enter & Survey
Plat of TF #1-24
cc (2 each) Designation of Operator
cc Organization Report
Check for \$25.00 Filing Fee
- For SHIELDS FEDERAL #1-24
cc (2 each) Application to Abandon and Plug & Survey Plat for SF #1-24
cc (2 each) Designation of Operator
cc Organization Report

Total Enclosures: 31 (7 for each wellsite plus 3 checks)

RECEIVED
SEP 16 1981
O & G CONS. COMM.