

SHIELDS 4-24 FEDERAL
NE SW 24-41N-1W COCONINO CO.

772

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
320 Bellino Dr., Pacific Palisades, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2970' f E line & 1650' f 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 checked="" type="checkbox"/>
(other)			

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.
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.)*

5/3/85: TD 750'. PBD 475'. 4 1/2" csg with cmt shoe @ 426'. Very little fluid and no O & G. Plugged 4 1/2" csg with cmt. Welded 4 1/2" abandonment marker plate showing well identity, location and number.

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

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

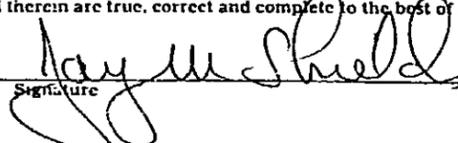
SIGNED [Signature] TITLE President DATE May 14, 1985

(This space for Federal or State office use)

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

PN 772

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. A-10457		Well No. 4-24	Field & Reservoir		
Location of Well 2970' f E line & 1650' f S line of Sec 24 (SE NE SW) 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 (bbls/day) _____ Gas (MCF/day) _____ Dry? Yes			
Date plugged: May 3, 1985	Total depth 750', PBSD 475'	Amount well producing when plugged: Oil (bbls/day) None Gas (MCF/day) None Water (bbls/day) None			
Name of each formation containing 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		
KAIBAB	Inconsequential	0' - 475'	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"	68'	0	68'	-----	Cmt shoe @ 426'
4 1/2"	426'	0	426'	-----	
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 President of the Shields Exploration Company (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 			
Permit No. 772			STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy		
			Form No. 10		

RECEIVED

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

DEC 18 1984

P/N 772

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 Palidades, CA 90272
- 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2970' f E line & 1650 f S line of
AT SURFACE: Sec 24, T41N-R1W
AT TOP PROD. INTERVAL:
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 checked="" type="checkbox"/> | <input type="checkbox"/> |
| (other) _____ | |

- 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.
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, KOB, 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.)

PROPOSAL FOR ABANDONMENT:

The subject Well is 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 this well 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.

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

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

SIGNED [Signature] TITLE President DATE Dec. 13, 1984

(This space for Federal or State office use)

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

P/N 772

RECEIVED

FEB 1 1983

Form 9-331
Dec. 1973

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 Test
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.) 2970' f E line & 1650' f S line of
AT SURFACE: line of Sec 24,
AT TOP PROD. INTERVAL: 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
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHANGE ZONES
ABANDON*
(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.
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.)*

January 15, 1983:
Opened bull plug. Fair pressure with acid odor. Found top of fluid @ 472' (PBD 475'--4 1/2" csg cmtd @ 434'). Recovered small amount of tan water with slight acid odor. (Note: Well was not acidized). Some paraffine floating in water. Some blk sludge. Well shut in. Request authorization for a delay in abandonment for six months until weather improves and until equipment and personnel are on 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:

772

Form 9-331
Dec. 1973

RECEIVED

SEP 29 1982

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: 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:		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. 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 Coconino 13. STATE 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.)*

Because it was not possible to bail the SF #4-24 Well before abandonment, I would like to withdraw my Sundry Notice of intention to abandon (dated September 9, 1982) and maintain the Well as currently cased and shut in (bull plug at surface) pending arrangements to have the SF #4-24 bailed to bottom and monitored.

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

SIGNED [Signature] TITLE President DATE September 24, 1982

(This space for Federal or State office use)

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

772

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.)

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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:	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

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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.)*

Since last Report of April 27, 1982, the Shields Federal #4-24 has remained cased to top of dolomite zone @ 426' and capped pending re-entry to bail well down to PB TD of 475'/. We would like to bail this well when the Jim Williams rig is on location for our proposed 4-well program (application pending). Decisions will be made based on results of this work.

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

SIGNED Raymond Shields TITLE President DATE June 23, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

772

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.)

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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>			

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A-10457

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5043'

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

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As reported, this well was drilled to 750' then plugged back to 475'. 4 1/2" Casing was run and cemented at 426'. The well was not acidized. No free oil entered the well bore. Since casing was cemented the well has been capped with a bull plug? Plans are now going forward to have this well bailed when the cable tool driller is scheduled to bail the 2, 5 and 6A-24 wells.

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:

772

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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AT TOP PROD. INTERVAL: line of
AT TOTAL DEPTH: Sec 24, T41N-R1W

5. LEASE
A-10457

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4-24

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24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH
Coconino

13. STATE
Arizona

14. API NO.
02-005-20016

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5043'

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>			

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

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Drilled to 750' TD on November 25, 1981. No entry of hc or significant water. Cleaned out on 12/7/81 and Welex logged to 748' using Compensated Density-Gamma and Dual Induction Gamma. Plugged back with gravel to 431'. Set 4' cement plug up top at 427'. Halliburton cemented 4 1/2" csg at 426' on 12/14/81 using 25 sacks cement and float shoe. Drilled out shoe, hard cement and then gravel to 485'. Set 10' cement plug at 475', using bailer.

The SF #4-24 Well is now shut in for observation pending possible acid-N₂ treatment.

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:

RECEIVED

JAN 4 1982

O & G CONS. COMM.

772

Form 9-331
Dec. 1973

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: 2970' f E line & 1650' f S line
AT TOP PROD. INTERVAL: of 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"/>
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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>Drilling Report</u>			

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 19, 1981 (Jim Williams Well Drilling Co.) using 10" hammer drill and air. Ran and cemented 7"-20.5# - J55 csg @ 73' using 29 sx cement. SION. Flanged up and installed special 5" blooey line. Drld out of 7" csg in ls, ss, dolo using 6 1/2" hammer drill. Reached coring point at top of White Sage Dolomite at 445' on November 20. SION. Cored from 445' to 460' using Christensen diamond bit on November 21. Shut in over Sunday. Reamed 445' to 460' with 6 1/2" roller bit. Changed to hammer and drilled to 731' in ls, ss, dolo & chert. Cored from 731' to 750'6" on November 25. Mostly ls, some dolo and gypsum. Well now shut in pending logging (Welex) and plugging back for test (Halliburton) of White Sage Zone.

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

SIGNED Ray M Shields TITLE President DATE November 30, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Form Approved.
Budget Bureau No. 42-R1424

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. #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 Coconino 13. STATE 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.)

RECEIVED

DEC 1 1981

O & G CONS. COMM.

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 make 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.) 1650' F S L + 2970' F E L
AT SURFACE: See 24
AT TOP PROD. INTERVAL:
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) <u>Notice of Spud Date</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. 4-24

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. 02-005-20016

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.)
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 Raymond Shields TITLE Pres. Shields Fed. Expl. Co. DATE _____
(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.

772

RECEIVED
Form 9-331 C
(May 1981)
OCT 26 1981

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-11421

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

3. NAME OF OPERATOR
 JAY M. SHIELDS

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

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 2970' from East line and 1650' from South line of Section 24, T41N-R1W, G&SRB Meridian
 At proposed prod. zone same

6. LEASE DESIGNATION AND SERIAL
 A - 10457

7. IF INDIAN ALLOTTEE OR TRIBE NAME

8. UNIT AGREEMENT NAME

9. FARM OR LEASE NAME
 SHIELDS FEDERAL

10. WELL NO.
 4-24

11. FIELD AND POOL, OR WILDCAT
 Wildcat

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

13. COUNTY OR PARISH | 14. STATE
 Coconino | Arizona

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

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any.)
 4950' west to LL
 330' to DUL

17. NO. OF ACRES IN LEASE
 2588.12

18. NO. OF ACRES ASSIGNED TO THIS WELL
 10

19. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 660'

20. PROPOSED DEPTH
 850'

21. ROTARY OR CABLE TOOLS
 Rotary

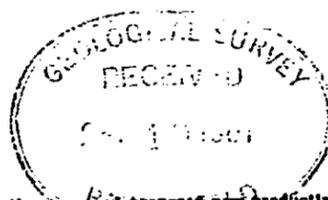
22. APPROX. DATE WORK WILL START*
 October 15, 1981

23. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5043' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	7"	15#	80'	20 sx (to surface)
6 1/2"	4 1/2"	10.5#	400-850'	50 sx (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 and Toroweap formations. 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 West offset to the Shields Federal #2-24. 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 productive zone and proposed new productive 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

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

SEE ATTACHED CONDITIONS AND REQUIREMENTS

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

O & G CONS. COMM.

320 BELLINO DRIVE
Address

PACIFIC PALISADES
City

CALIFORNIA 90272
State

JIM WILLIAMS DRILLING COMPANY
Drilling Contractor

737 3rd STREET
Address

PRESCOTT

ARIZONA 86301

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 #4-24

Elevation (ground)
5043

Nearest distance from proposed location to property or lease line:
4950 W feet

Distance from proposed location to nearest drilling, completed or applied—for well on the same lease:
1000 feet

Number of acres in lease:
2558

Number of wells on lease, including this well, completed in or drilling to this reservoir:
Four

If lease, purchased with one or more wells drilled, from whom purchased:
Name

Address

Well location (give footage from section lines)
2970 from E & 1650 from S lines

Section—township—range or block and survey
24 41N 1 W GSRBM

Dedication (Comply with Rule 105)
STRAT TEST E/A S/W/H

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:
850'

Rotary or cable tools
ROTARY

Approx. date work will start
OCTOBER 15, 1981

Bond Status On file
Amount \$25,000

Organization Report
On file Or attached

Filing Fee of \$25.00
Attached

Remarks:
Plan to drill, coring where indicated, to approximately 850' using 6½" 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.

Signature
Jay M. Shields

Date
September 14, 1981

Permit Number: 772

Approval Date: 9-17-81

Approved By: *[Signature]*

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

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

Form No. 3

(Complete Reverse Side)

- 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 & G 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:

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SEP 16 1981
O & G CONS. COMM.

Owner	Land Description <i>NE 1/4, SW 1/4, Sec 24, T41N, R1W, G. E. SE MEE</i>
<p>CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name <i>Raym Shields</i></p> <p>Position <i>Operator</i></p> <p>Company _____</p> <p>Date <i>9/14/81</i></p> <p>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.</p> <p>Date Surveyed <i>4-18-81</i></p> <p>Registered Professional Engineer and/or Land Surveyor <i>Philip L. Nicks</i></p> <p>Certificate No. <i>U.S. 1876 UH</i></p>	

T41N

24

Shields Federal #4-24
Elev *5043*

RIW

← 2970' →

Set 1/2" rebar

↑ 1650' ↓

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
4-24 FEDERAL

(WELL NAME)

located 1650' FROM SOUTH LINE, 2970' FROM EAST LINE (NE/4 SW/4)

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

The E/2 SW/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

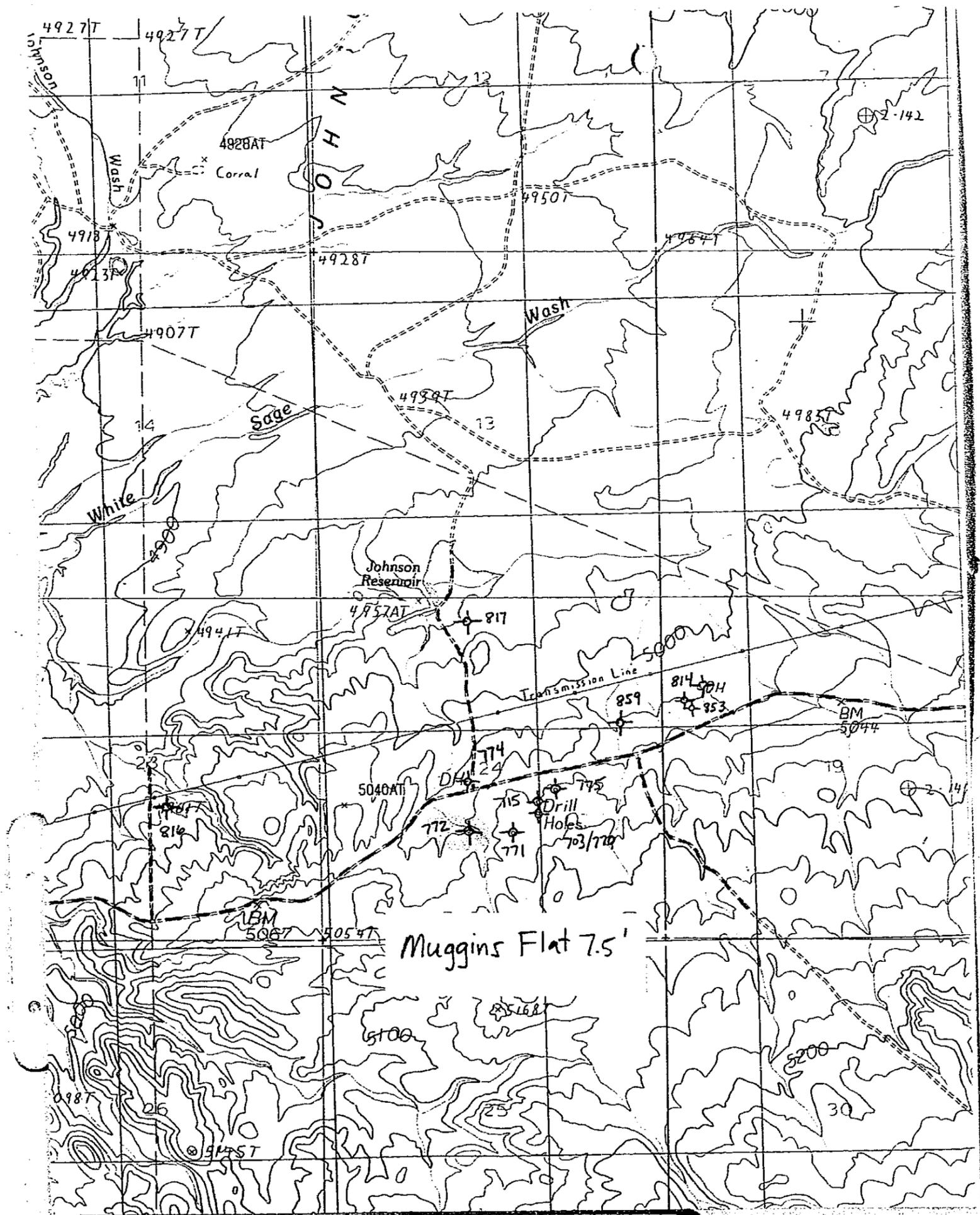
PERMIT N^o 772

RECEIPT NO. 2133
API NO. 02-005-20016

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

4-24 7-12
RECEIVED
OCT 18 1983
O & G CON. 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.

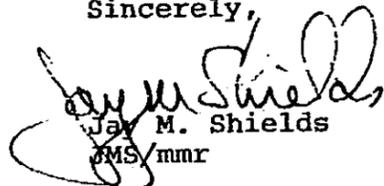
We were up at our lease primarily to bail the shallow wells. Results are attached. We will now have to bite the bullet and go about abandonment procedures. I had hoped that we would see a little oil after fracing. Would you please send me a batch of the necessary abandonment forms?

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

Shields -

I sent the requested forms on 10/26/83

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 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'.

772
Shields Federal #4-24:

TD 750'. Cored 445 - 460 and 731 - 750.
Recovered 34'.

774
Shields Federal #5-24:

TD 480'. Cored 450½ - 463½. Recovered 10½'.

775
Shields Federal #6A-24:

TD 491'. Cored 465 - 473. Recovered 8'.

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/mm

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

No envelope enclosed

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: SHIELDS FEDERAL # 2-24, T41N-R1W, Coconino County, Arizona
77 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

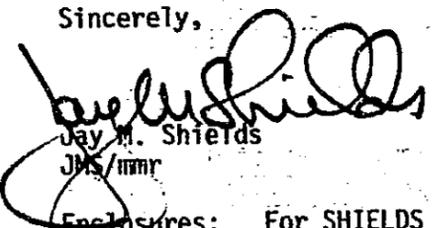
On file in your office is a Performance Bond for \$25,000.

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/mm

- 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)

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SEP 16 1981
O & G CONS. COMM.