

SHIELDS 11-24 FEDERAL
NE NW 24-41N-1W COCONINO CO.

817

PLUGGING RECORD

Operator SHIELDS EXPLORATION COMPANY		Address 320 BELLINO DRIVE, PACIFIC PALISADES, CA	
Federal, State, or Indian Lease Number or lessor's name if fee lease. A-10457		Well No. 11-24	Field & Reservoir Wildcat
Location of Well 2310 FWL & 330 FNL, Sec 24, T41N-R1W, G&SRBM		Sec-Twp-Rge or Block & Survey	County COCONINO
Application to drill this well was filed in name of SHIELDS EXPLORATION COMPANY	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: 2/ 5/90	Total depth 540	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day) Water (bbls/day) N/A N/A N/A	
Name of each formation containing oil or gas. Indicate which formation open to wellbore 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 (Open to wellbore)	No Fluid in Hole	0-540	Ran approx 4+yds 3/8" minus filler incl wetsd using trans cmt TRK. Filled hole to 50'. Ran hose pumped 8sx cmt GL
CASING RECORD			Welded steel plate.
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)
7"	40'	---	40'
Give depth and method of parting casing (shot, ripped, etc.)		Packers and shoes	
		none	
Was well filled with heavy drilling mud, according to regulations? See above & as perm. in applic to abdn		Indicate deepest formation containing fresh water. KAIBAB	
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE			
Name	Address	Direction from this well:	
none			
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.			
Use reverse side for additional detail. Steel Plate: Shields Fed 11-24 NENENW S24 41N-1W, A-10457, AZ 817			
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u><i>President</i></u> of the <u><i>Shields Exploration Co.</i></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	Signature		
Feb 21, 1990	<i>Jay M Shields</i>		
Permit No. 817	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy Form No. 10		

APPLICATION TO PLUG AND ABANDON

FIELD WILDCAT - WHITE SAGE PROSPECT
OPERATOR SHIELDS EXPLORATION CO. ADDRESS 320 BELLINO DRIVE, PAC.PAL.CA90272
Federal, State or Indian Lease Number A-10457 WELL NO. Shields Fed. 11-24
or Lessor's Name if Fee Lease
LOCATION NE 1/4 NE 1/4 NW 1/4 - Sec. 24, T41N-R1W

TYPE OF WELL DRY HOLE TOTAL DEPTH 540'
(Oil, Gas or Dry Hole)
ALLOWABLE (If Assigned) N/A
LAST PRODUCTION TEST OIL N/A (Bbls.) WATER N/A (Bbls.)
GAS N/A (MCF) DATE OF TEST _____
PRODUCING HORIZON N/A PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD.

7" Casing cmtd at 40 feet.
Open hole 6 1/4" from 40' to 540'

2. FULL DETAILS OF PROPOSED PLAN OF WORK. Inaccord with USDI-BLM Rules and O/G Cons Commission Regs.....

ABANDONMENT: 1/ Well will be filled with 3/8" minus Filler from 540' to approximately 60' using a transit cement truck and approx. 4 yds of filler mix.

2/ Using small pickup cement truck, plan to cement Well from fill-up point (60' approx.) to ground level also annulus if required.

3/ A 1/2" Steel Plate will be weld to the top of the 7" csg @GL Plate reads: SHIELDS FED 11-24 NENENW S24 41N 1W AZ 817.

DATE COMMENCING OPERATIONS FEBRUARY 5, 1990 subject to weather.
NAME OF PERSON DOING WORK Shields - Chamberlin ADDRESS KANECO, Kanab, Utah

Signature *Jay L Shields*
Title President, Shields Exploration Company.
Address 320 Bellino Drive, Pacific Palisades, CA 90272
Date January 29, 1990

Date Approved 2/2/90
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: *D. Chamberlin*

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

Permit No. 8147

Form 9-331
Dec. 1973

P/N 817

RECEIVED

Form Approved.
Budget Bureau No. 42-R1424

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

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 DRIVE, PACIFIC PALISADES, 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2310' FW1 & 330' FN1, Sec 24, T41N-R1W
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

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.
#11-24

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 | 13. STATE
Coconino | Arizona

14. API NO.
02-005-20026

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4966'

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) Temporary Abandonment		

(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 Temporary Abandonment:

The subject well is proposed for your category of Temporary Abandonment. Plans are being formulated to re-enter and deepen this Well when weather and other conditions permit. An application will be filed with your office prior to any activity at the site. There is no water in the Well with TD recently measured at approximately 500'.

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

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

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

CONDITIONS OF APPROVAL, IF ANY:

Form 9-331
Dec. 1973

RECEIVED

FEB 1 1983

Form Approved.
Budget Bureau No. 42-R1424

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
2. NAME OF OPERATOR
SHIELDS EXPLORATION COMPANY
3. ADDRESS OF OPERATOR
320 BELLINO DRIVE, PACIFIC PALISADES, 90272
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2310' fw1 & 330' fn1, Sec 24,
AT TOP PROD. INTERVAL: same T41N-R1W
AT TOTAL DEPTH: same

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.
#11-24
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 | 13. STATE
Coconino | Arizona
14. API NO.
02-005-20026
15. ELEVATIONS (SHOW DF, KDB, AND WD)
4966'

(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 steel plate welded on 7" surface csg. (No prod csg run.) No pressure or odor. Ran measuring and sampling device to TD at 540'. Recovered limey mud No water or oil. No odor. Resealed plate. This well was drilled to TD on Sept. 2, 1982. Ref O & G Regs, 10/27/82--#221.29, request authorization for 12 month delay (to Sept. 2, 1983) in abandonment to continue monitoring as well had some oil in tite micro grained dolomite below 435'.

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:

*See Instructions on Reverse Side

817

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

2. NAME OF OPERATOR
SHIELDS EXPLORATION COMPANY

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2310' FW1 & 330' FN1, Sec 24,
AT TOP PROD. INTERVAL: same T41N-R1W
AT TOTAL DEPTH: same

5. LEASE NO.
A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
RECEIVED

7. UNIT AGREEMENT NAME
SEP 13 1982

8. FARM OR LEASE NAME
Shields Federal G CONS. COMM.

9. WELL NO.
#11-24

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.
02-005-20026

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4966'

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			

(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.)*

SF #11-24: Spud 8/28/82. TD 540'
Ran bailer to bottom 9/3/82. No fluid in hole. No odor at surface. Will continue to monitor.

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

2. NAME OF OPERATOR
SHIELDS EXPLORATION COMPANY

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2310' fW1 & 330' fN1, Sec 24,
AT TOP PROD. INTERVAL: same T41N-R1W
AT TOTAL DEPTH: same

5. CASE
A-10457 RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SEP 8 1982

7. UNIT AGREEMENT NAME
O & G CONS. COMM.

8. FARM OR LEASE NAME
Shields Federal

9. WELL NO.
#11-24

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

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Coconino | Arizona

14. API NO.
02-005-20026

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4966'

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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 <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.)*

Spudded 7:08 A.M., August 28 - Jim Williams Well Drilling, Skull Valley, AZ. Drilled 8 5/8" hole to 40' Ran and cemented 7" surface casing with 5 sx cement. Drilled ahead with 6 1/2" Hammer Drill and air to 400'. Lost circulation in a loose, silty sand and very fine-grained Dolomite. Continued drilling, regaining circulation at 434' in Anhydrite. Penetrated fine-grained porous oil-bearing Dolomite at 434' to 448', sampling every foot. Excellent cut, fluorescence and odor. Drilled ahead to TD at 540'. Well will be monitored for oil in well bore.

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

SIGNED Jim Williams TITLE President DATE September 3, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

817

RECEIVED

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

AUG 27 1982

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 DRIVE, PACIFIC PALISADES, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 2310' f W line & 330' f N line, Sec 24
AT SURFACE: T41N-R1W
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

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) Prep to Spud	

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.
#11-24

10. FIELD OR WILDCAT NAME
White Sage Prospect

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Sec 24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH
Coconino

13. STATE
Arizona

14. API NO.
02-005-20026

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4966'

(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 #11-24 is scheduled to spud on Saturday, August 28, 1982. Jim Williams will be Drilling Contractor, Jay Shields can be reached after August 27 @ Parry's Lodge, Kanab, Utah, 801/644-2601

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

SIGNED Jay Shields TITLE President DATE August 24, 1982

(This space for Federal or State office use)

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

817

RECEIVED
(May 1963)

AUG 4 1982

O & G CONS. COMM.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425

AKO

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 Wildcat SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
SHIELDS EXPLORATION COMPANY

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 West line and 330' from North line of
At proposed prod. zone Section 24, T41N-R1W, G&SRBM
same

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

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
2805' North to LL
330' to DUL

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
2640' South to SF #5-24

16. NO. OF ACRES IN LEASE
2558.12

19. PROPOSED DEPTH
500'

17. NO. OF ACRES ASSIGNED TO THIS WELL
10

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4966' GR

22. APPROX. DATE WORK WILL START*
August 15, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	7"	14#	40'	15 sx (to surface)
6 1/2"	4 1/2"	10.5#	400 - 480'	75 sx (est.)

Drilling will be done with air. A 10 1/2" hammer drill will be used to 40' where 7" casing will be run and cemented. A 6 1/2" hammer drill will then be used to TD. Open hole testing is planned with continuous monitoring of the returns at the bleed line. While there was no observed pressure in the SF #1-24 or the SF #5-24 Wells during drilling, there will be a stand-by water supply available and a 4" line carrying returns away from the rig site. If indicated, well will be completed as proposed. All State and Federal Regulations will be observed.

RECEIVED
JUL 19 1982
BAKERSFIELD

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. SIGNER: Jay Shields TITLE: President DATE: July 16, 1982
(This space for Federal or State office use)

PERMIT NO. 817 APPROVAL DATE: _____

APPROVED BY: J. P. Wagner TITLE: Dist. Supervisor DATE: 7-30-82

CONDITIONS OF APPROVAL, IF ANY:
cc: DMM, O & G, Western Region
Oil & Gas Conservation Commission
Phoenix, Arizona
MMS, J. Stout, Ely, Nevada

SEE ATTACHED CONDITIONS AND REQUIREMENTS

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 A 13137

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):

A 10457 T41N- R1W
Sec. 23, E $\frac{1}{2}$; Sec. 24, A11; Sec. 25, A11; Sec. 26, E $\frac{1}{2}$.
T41N - R1E
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

A13137 T41N - R1W
Sec. 26, NW $\frac{1}{4}$; Sec. 27, NE $\frac{1}{4}$; Sec. 22, E $\frac{1}{2}$
Containing 640 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.

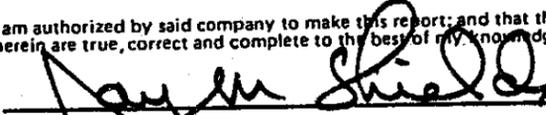
In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

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

SHIELDS 1981 PROGRAM
by Shields Exploration Company,
General Partner
by Jay M. Shields, President
(Signature of lessee)

July 15, 1982
(Date)

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

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER		RECEIVED	
APPLICATION TO DRILL <input checked="" type="checkbox"/>		AUG 5 1982	
		RE-ENTER OLD WELL <input type="checkbox"/>	
		O & G CONS. COMM.	
SHIELDS EXPLORATION COMPANY			
NAME OF COMPANY OR OPERATOR		90272	
320 BELLINO DRIVE		CALIFORNIA	
Address		City State	
JIM WILLIAMS WELL DRILLING			
Drilling Contractor		86338	
P. O. BOX 102		ARIZONA	
Address		City State	
DESCRIPTION OF WELL AND LEASE			
Federal, State or Indian Lease Number, or if fee lease, name of lessor		Well number	Elevation (ground)
Federal #A-10457		Shields Federal 11-24	4966'
Nearest distance from proposed location to property or lease line:		Distance from proposed location to nearest drilling, completed or applied—for well on the same lease:	
2805' N feet		2640' S feet	
Number of acres in lease:		Number of wells on lease, including this well, completed in or drilling to this reservoir:	
2558.12		seven	
If lease, purchased with one or more wells drilled, from whom purchased:		Name Address	
Well location (give footage from section lines)		Section—township—range or block and survey	Dedication (Comply with Rule 105)
2310' from W & 330' from N lines		24 41N 1W G&SRBM NE 1/4	80 Acres (see plat)
Field and reservoir (if wildcat, so state)		County	
Wildcat		Coconino	
Distance in miles, and direction from nearest town or post office			
12 miles East of Fredonia, Arizona			
Proposed depth:	Rotary or cable tools	Approx. date work will start	
500'	Rotary	August 15, 1982	
Bond Status <u>On file</u>	Organization Report	Filing Fee of \$25.00	
Amount \$25,000	On file Or attached <input checked="" type="checkbox"/>	Attached <input checked="" type="checkbox"/>	
Remarks:			
Plan to drill to approximately 500' using 6½" Hammer Drill with Air to TD. Open Hole testing is planned with continuous monitoring of the returns at the bloopie line.			
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.			
 Signature			
August 1, 1982 Date			
Permit Number: <u>817</u>		STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Application to Drill or Re-enter File Two Copies	
Approval Date: <u>8-5-82</u>			
Approved By: <u>R. G. Yana</u>			
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	

1. Operator shall outline the dedicated area for both oil and gas wells on the plat.
2. 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.
3. ALL DISTANCES SHOWN ON THE PLAT MUST BE FROM THE OUTER BOUNDARIES OF THE SECTION.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO X
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES X NO _____. If answer is "yes," Type of Consolidation Limited Partnership
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner SHIELDS 1981 PROGRAM (SHIELDS EXPLORATION CO.-OPERATOR)	Land Description T41N - R1W Coconino County, Arizona NE NE NW Section 24
<div style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;">Shields Federal #11-24 Elevation <u>1966</u></p> </div>	<p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p style="text-align: center;"><i>Ray M. Shields</i> Name <u>Ray M. Shields</u> Position <u>President</u> Company <u>Shields Exploration Co.</u> Date <u>8/1/82</u></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 style="text-align: center;">Date Surveyed <u>7-2-82</u> Registered Professional Engineer and/or Land Surveyor <i>Philip L. Drake</i> Certification No. <u>L.S. 4876 OT.</u></p>

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement	Type
7"	15#	K-55	Surf	40' ±	40'	15	Class A Halliburton
4 1/2" (if required for Production)	10.5#	K-55	Surf	450' ±	TD to Surf	75	



PERMIT TO DRILL

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

To: SHIELDS EXPLORATION COMPANY
(OPERATOR)

to drill a well to be known as

11-24 FEDERAL

(WELL NAME)

located 2310' FROM WEST LINE & 330' FROM NORTH LINE (NE NW)

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

The N/2 OF NW/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 5th day of August, 19 82.

OIL AND GAS CONSERVATION COMMISSION

By R. A. [Signature]
EXECUTIVE SECRETARY

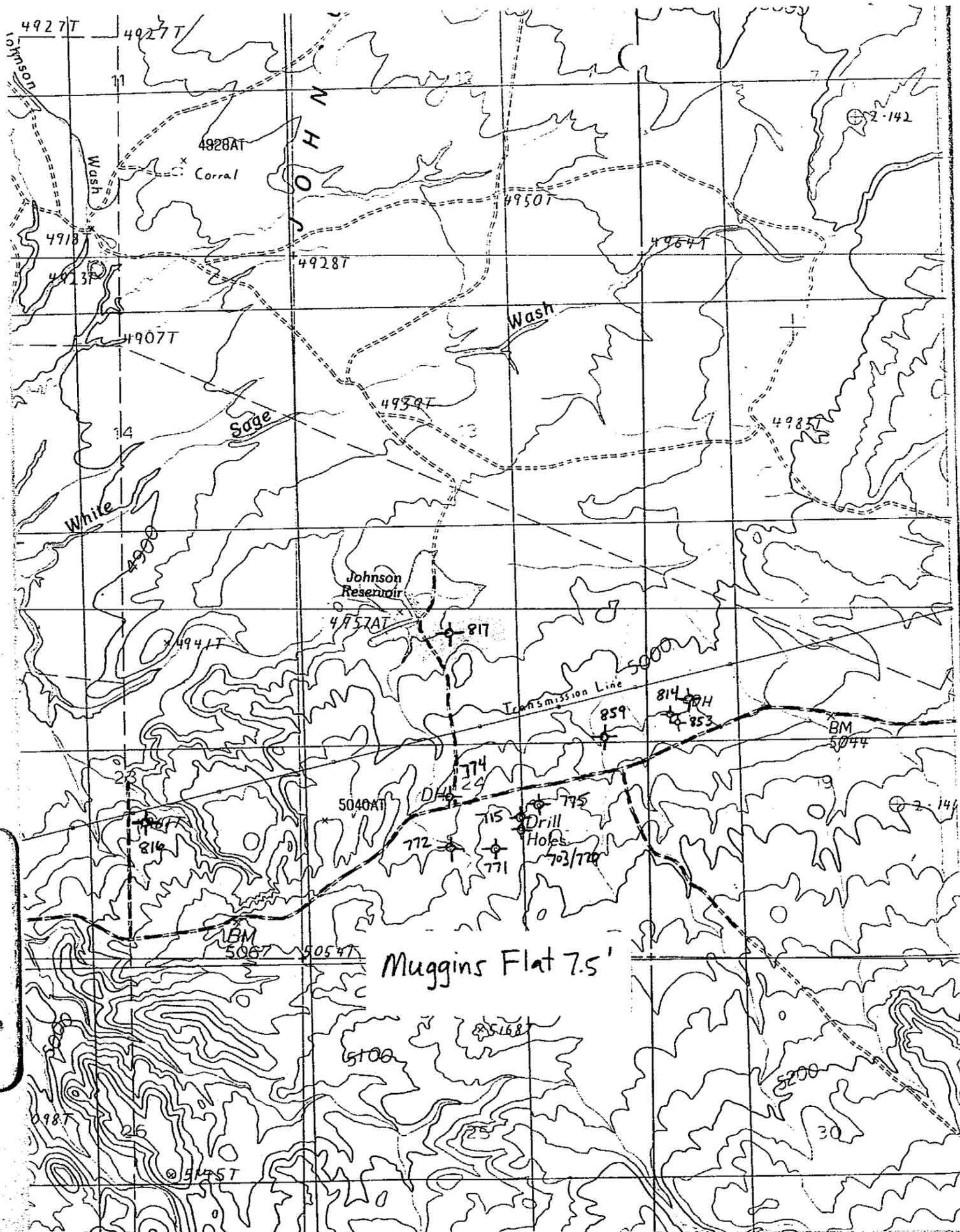
PERMIT N^o 817

RECEIPT NO. 2295
API NO. 02-005-20026

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

Re: Plugging Records
Wells SF 1-19A, 2-19,
6A-24, 11-24, & 1-23 *p/w 8/7*

Mr. Dan Brennan, Secretary
Arizona Oil and Gas Conservation Commission
5150 North 16th Street - Suite B-141
Phoenix, Arizona 85016

Dear Mr. Brennan:

Attached are the Records for the Wells which we have plugged
on February 5 & 6, *1990*

Fortunately, there was a window in the weather during the
period from our arrival on Feb. 3rd to departure on the 8th.
Sorry that you or Mr. Rauzi were unable to be there for the
proceedings. Mr. Haas and Ms. Roberts of the BLM came up and
observed the procedures, Mr. Haas for the 3 days and Ms Roberts
during the plugging of the three open holes.

There were no problems. The cement transit trucks arrived on
schedule and the wet sand and gravel went downhole very nicely.
It's a good method especially in shallow and fractured rock.
The cement plugs worked fine, being handled by an expert water
well driller with a pick-up truck, hose and pump.

The cased holes, 2-19 & 6A-24, presented no problems especially
with Dowell-Schlumberger on hand. Expensive but got job done.
Used a gismo built by our welder to block the hole for surface
plug on 2-19. Plate attached to a heavy wire did the job.
On 6A, since Dowell had brought plenty of cement, I decided to
cement in the whole works so we gave the well 54 sax from TD at
491' to the surface.

Ms. Roberts from St. George examined all well sites and we have
that end of the job in hand. Will seed later in the spring.

Sincerely,

Joe M. Shields
SHIELDS EXPLORATION COMPANY



Oil and Gas Conservation Commission
STATE OF ARIZONA

5150 N. 16th STREET, SUITE B-141
PHOENIX, ARIZONA 85016
PHONE: (602) 255-5161

February 7, 1990

Jay M. Shields
Shields Exploration
320 Bellino Drive
Pacific Palisades, CA 90272

RE: Shields Federal No. 1-19A, State Permit No. 814
Shields Federal No. 1-23, State Permit No. 816
Shields Federal No. 11-24, State Permit No. 817
Shields Federal No. 6A-24, State Permit No. 775

Dear Mr. Shields:

Enclosed are the approved Application to Plug and
Abandon for the referenced wells.

Sincerely,

Steven L. Rauzi

Steven L. Rauzi
Oil & Gas Specialist

copies to well files 816, 817, 775, 853, 814, 859

SHIELDS EXPLORATION CO.

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

Mr. Dan Brennan
Secretary, Arizona Oil and Gas Conservation Comm.
3110 North 19th Avenue Suite 190
Phoenix, Arizona 85015

Dear Mr. Brennan:

In reply to Rudy Ybarra's letter of July 22nd and with reference to recent telephone conversations with you and Mr. Ybarra concerning the abandonment of additional shallow Wells drilled by Shields Exploration Company on the White Sage Prospect, we have checked our records and enclose a Well Location Map showing the status of each Well. Listed below are the Wells and our plans for the shallow ones that have not yet been abandoned.

Our records indicate that the Travis Federal 1-24 and the Shields Federal #1-24, #2-24, #4-24, #5-24 and the #1-19 are P&A. The record does not confirm the status of the #1-23 and it will be checked on site.

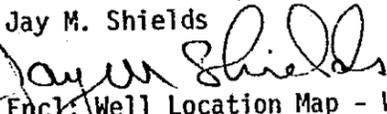
The Shields Federal #11-24 and #6A-24 have been kept in the Temporary Abandonment category pending final analysis and decisions regarding the results of the deepening of the #1-19A Well (Feb 1988). We will now plan to abandon the #11-24 and the 6A-24 and, if not already officially abandoned, the #1-23 at such time as we next commence operations on the White Sage Lease.

It is most important to our present and future plans to maintain the Shields Federal #2-19 and #11-24 Deeper Tests in their current shut-in status.

I would like to take this opportunity to thank you, Mr. Ybarra and the Oil and Gas Commission for the help and cooperation provided down through the years. We look forward to a successful conclusion recognizing that the finding of commercial oil on the Frontier is important to us all.

Sincerely,

Jay M. Shields



Enc: Well Location Map - White Sage Prospect

<i>Well</i>	<i>Permit #</i>	
Shields 1-24	715	2-19 853
Travis 1-24	703	12-24 -857
Shields 2-24	771	
" 4-24	772	
" 5-24	774	
" 1-19	858	
" 1-23	816	
" 11-24	817	
6A-24	775	

T 41 N

R 1 W R 1 E

K A I B A B

JOHNSON
TANK
ROAD

1-23 550

5-24 480

4-24 750

6A-24 490
S-1 470
T-1 900

2-24 500

12-24 3183

1-19A 650dd

2-19 3756

1-19 500

G&SRBM

WELL STATUS MAP

WHITE SAGE PROSPECT

COCONINO CO., ARIZONA

- ⊘ To Be Abandoned
- ⊙ Temporary Abandonment
- ⊕ Abandoned

Shields Exploration Co. - 8/30/88

3

6

24

25

SHIELDS EXPLORATION CO.

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

11-34 817
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.

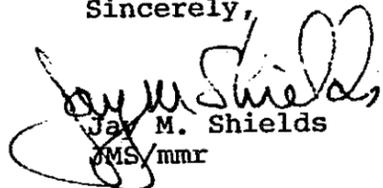
We were up at our lease primarily to bail the shallow wells. Results are attached. We will now have to bite the bullet and go about abandonment procedures. I had hoped that we would see a little oil after fracing. Would you please send me a batch of the necessary abandonment forms?

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 10/26/83

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, acid 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, acid 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. Slite 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.

August 6, 1982

Mr. J. M. Shields
Shields Exploration Co.
320 Bellino Dr.
Pacific Palisades, CA 90272

Re: Permit 814, Shields 1-19 Federal
Permit 815, Shields 1-22 Federal
Permit 816, Shields 1-23 Federal
✓ Permit 817, Shields 11-24 Federal

Dear Mr. Shields:

Enclosed are approved application for permit to drill, permit,
and receipt for each of the above referenced wells.

If we can be of further service, please advise.

Sincerely,

R. A. Ybarra
Enforcement Director

/os
Enc.

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

CMK
RECEIVED
AUG 5 1982
O & G CONS. COMM.

August 2, 1982

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

Re: SHIELDS FEDERAL #1-19, T41N-R1E, Coconino Co., AZ
SHIELDS FEDERAL #1-23, T41N-R1W, Coconino Co., AZ
SHIELDS FEDERAL #1-22, T41N-R1W, Coconino Co., AZ
PH 817 SHIELDS FEDERAL #11-24, T41N-R1W, Coconino Co., AZ

Dear Mr. Doss:

I would like to make formal requests for four (4) Drilling Permits for four (4) wildcat wells, the Shields Federal #1-19 to be drilled for oil in Section 19, T41N-R1E, and the Shields Federal #1-22 in Section 22, the Shields Federal #1-23 in Section 23, and the Shields Federal #11-24 in Section 24 - all in T41N-R1W, all in Coconino County, AZ.

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

1. Shields Federal #1-19, #1-22, #1-23 and #11-24
 - a) Application for Permit to Drill including Survey Plat of Location by Phil Drake, R.L.S., Utah for the Shields Federal #1-19, #1-22, #1-23 and #11-24
 - b) Designation of Operator - SF #1-19, #1-22, #1-23, #11-24
 - c) Organization Reports - SF #1-19, #1-22, #1-23, #11-24
 - d) 4 Checks for filing fee (\$25.00 each) - SF#1-19, #1-22, #1-23, #11-24

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

All of the above applications have been filed with John Wagner, USGS, Bakersfield, CA. I hope to get underway late August. I will be going down dip on these wells looking for permeability. The chances are excellent. How about coming up again when we drill through the zone?

I hope the well up Whittman way came through. Let me know if I can help.

Thanks for your good help and cooperation.

Best regards,

Jay M. Shields
Jay M. Shields
JMS/mmr

Enclosures: For Shields Federal #1-19, #1-22, #1-23, #11-24
cc (2 each) Application for Permit to Drill and Survey Plats
cc (2 each) Designation of Operator
cc (1 each) Organization Report
Check for \$25.00 Filing Fee (1 each)
Total Enclosures: 32 (7 for each wellsite plus 4 checks)

SHIELDS 1981 PROGRAM
PACIFIC PALISADES, CA

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE FORM WVC-3 V-2

DATE	DESCRIPTION	AMOUNT
8/1/82	Ck #302: Arizona Oil & Gas Conservation Commission/ Filing Fee for Shields Federal #11-24 PIN 817	\$25.00

2295