

SHIELDS EXPLORATION 10-24 FEDERAL 805
SW SE 24-41N-1W COCONINO CO.

Form 9-331
Dec. 1973

RECEIVED

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES AUG 27 1982
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 WC

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: 660' from S line & 1980' from E
AT TOP PROD. INTERVAL: line of Sec 24.
AT TOTAL DEPTH: T41N-R1W G&SRB M

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) Current Status			

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.
#10-24

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.
02-005-20022

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5092 GR

(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.)*

Our planned 4000-ft. test, the Shields Federal #10-24, continues to be deferred. We would appreciate your holding the Well Permit in file pending determination of a drilling date.

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

SIGNED [Signature] TITLE President DATE August 24, 1982

(This space for Federal or State office use)

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

805

Form 9-331 C
(May 1963)

RECEIVED

JUN 3 1982 UNITED STATES
DEPARTMENT OF THE INTERIOR
O & G CONS. COMM. GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R142

AKS

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 WC SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR SHIELDS EXPLORATION COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 660 feet from South Line & 1980 feet from East Line of Section 24 T41N-R1W, G & SRB M
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. (Also to nearest drig. unit line, if any)
4950' east to LL

16. NO. OF ACRES IN LEASE 2588.12

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2,200'

19. PROPOSED DEPTH 4,000' (approx)

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5092 GR

22. APPROX. DATE WORK WILL START* MAY 10, 1982

5. LEASE DESIGNATION AND SERIAL NO. A-10457
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME SHIELDS FEDERAL
9. WELL NO. #10-24
10. FIELD AND POOL, OR WILDCAT WILDCAT
11. SEC., T., R., N., OR S.E. AND SURVEY OR AREA 24 T41N-R1W G&SRB M
12. COUNTY OR PARISH COCONINO
13. STATE ARIZONA

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12"	8 5/8"	24#	540'	300 sx (to Surface)
7 7/8"	4 1/2"	10.5# API	3700' - 2200'	200 sx (estimated)

Drilling will be done with air. After setting and cementing 8 5/8" surface casing (Halliburton) @ 540', a 7 7/8" hole will be drilled with coring and/or testing of any oil shows. Density and Gamma-Neutron will be run (Welex). Open hole testing is planned and, if indicated, 4 1/2" casing cemented (Halliburton) through oil zone and the interval perforated (Welex). This well is a 1320' southerly offset to the Travis Federal #1-24 Well. As there is no observed pressure in the Travis #1-24 Well, which is currently open to TD @ 900', a blowout preventer will not be installed until that depth (900') is reached. Plans are to use a water well rig in drilling, with an air and hammer drill, to 900'. At that point a larger (5,000' capacity) rig will be moved in to complete the drilling to approximately 4,000'.

APR 15 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. SIGNED Jay M. Shields TITLE LESSEE & OPERATOR DATE April 9, 1982

PERMIT NO. APPROVAL DATE
APPROVED BY J.P. Wagner TITLE DIST. SUPERVISOR DATE 5-28-82

cc: DMM, O & G, Western Region
Oil & Gas Conservation Commission
Phoenix, Arizona
MMS, J. Stout, Ely

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SEE ATTACHED CONDITIONS AND REQUIREMENTS

Form 9-331
Dec. 1973
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JUN 3 1982

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved
Budget Bureau No. 42-R1424

O & G CONS. COMM
SONDRY NOTICES AND REPORTS ON WELLS

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AT TOP PROD. INTERVAL: T41N-R1W G&SRB M
AT TOTAL DEPTH: T41N-R1W G&SRB M
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) Current Status <input type="checkbox"/> | <input type="checkbox"/> |

5. WELL NO.
A-10457
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

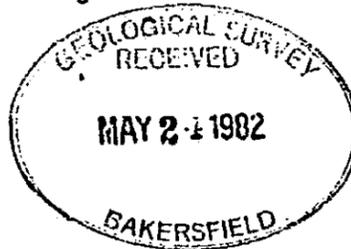
7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
SHIELDS FEDERAL
9. WELL NO.
#10-24 Fed
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.
02-005-20022
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5092 GR

(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.)

As per our verbal communication, the Shields Federal #10-24, a planned exploratory test to 4,000 feet on the White Sage Prospect, has been deferred for drilling at this time. We would appreciate your holding the well Permit in file pending determination of a drilling date.



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 [Signature] TITLE Dist. SUPERVISOR DATE 5-28-82
CONDITIONS OF APPROVAL IF ANY: V. P. Wagner

cc: W.M. J. G., Western Region
Oil & Gas Conservation Commission
Phoenix, Arizona
W.S. J. Stout See Instructions on Reverse Side

805

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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AT TOTAL DEPTH: T41N-R1W G&SRB M

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24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH
Coconino

13. STATE
Arizona

14. API NO.
02-005-20022

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5092 GR

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) Current Status

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

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(This space for Federal or State office use)

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

RECEIVED

MAY 24 1982

O & G CONS. COMM.

805

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

RECEIVED

APR 21 1982

SHIELDS EXPLORATION COMPANY

NAME OF COMPANY OR OPERATOR

320 BELLINO DRIVE, PACIFIC PALISADES, CALIFORNIA 90272

O & G CONS. COM

Address City State

JIM WILLIAMS WELL DRILLING CAMPBELL DRILLING

Drilling Contractor P. O. BOX 102, SKULL VALLEY, ARIZONA 86338 WICKENBURG, ARIZONA

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 #10-24	Elevation (ground) 5092'
Nearest distance from proposed location to property or lease line: 4620 feet	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: 1070 feet	
Number of acres in lease: 2558	Number of wells on lease, including this well, completed in or drilling to this reservoir: one	

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)
1980' from E & 660' from S lines **24 - T41N-R1W G&SRBM** **Exploratory S/2 SE/4**

Field and reservoir (if wildcat, so state) County
Wildcat **Coconino**

Distance in miles, and direction from nearest town or post office
Fredonia is 11 miles West

Proposed depth: 4000'	Rotary or cable tools Rotary	Approx. date work will start May 10, 1982
Bond Status On file	Organization Report	Filing Fee of \$25.00
Amount \$25,000	On file <input checked="" type="checkbox"/> Or attached <input checked="" type="checkbox"/>	Attached <input checked="" type="checkbox"/>

Remarks:
Plan to drill, coring if feasible, to approximately 4000' using hammer drill to 540' and tricone bit to 4000' with air, then log (Welex) using Gamma & Density. 8 5/8" surface casing will be set @ 540' and cemented (Halliburton).

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the President of the Shields Exploration Co., Operator (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.

Ray M Shields
Signature

April 19, 1982
Date

Permit Number: 805
Approval Date: 4-20-82
Approved By: R. G. Yama

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

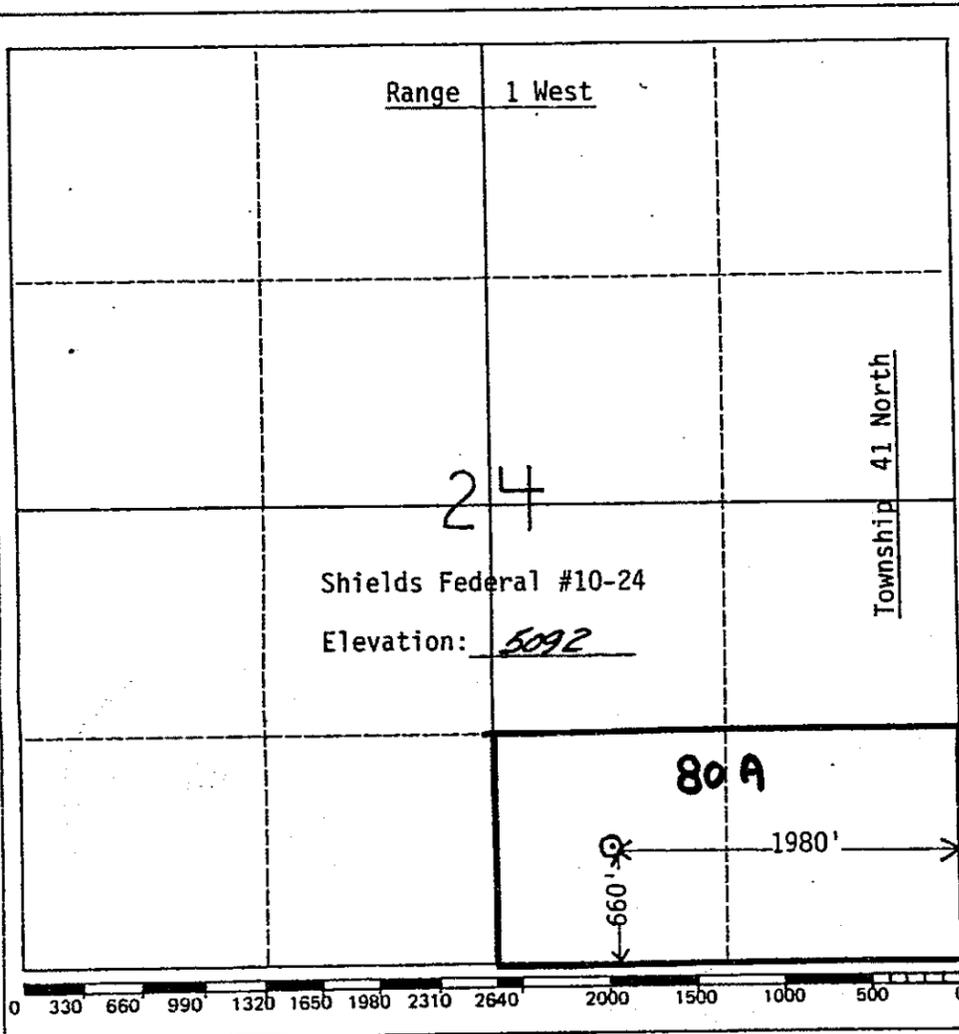
(Complete Reverse Side)

- 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 LIMITED PARTNERSHIP
- If the answer to question four is "no," list all the owners and their respective interests below:

RECEIVED

APR 21 1982

Owner SHIELDS 1981 PROGRAM	Land Description SW/4 SE/4 SECTION 24
(SHIELDS EXPLORATION CO. OPERATOR)	T41N - R1W, COCONINO CO., ARIZONA



CERTIFICATION

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Jay M. Shields
Name

JAY M. SHIELDS
Position

PRESIDENT
Company

SHIELDS EXPLORATION CO.
Date

APRIL 15, 1982

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
4-9-82

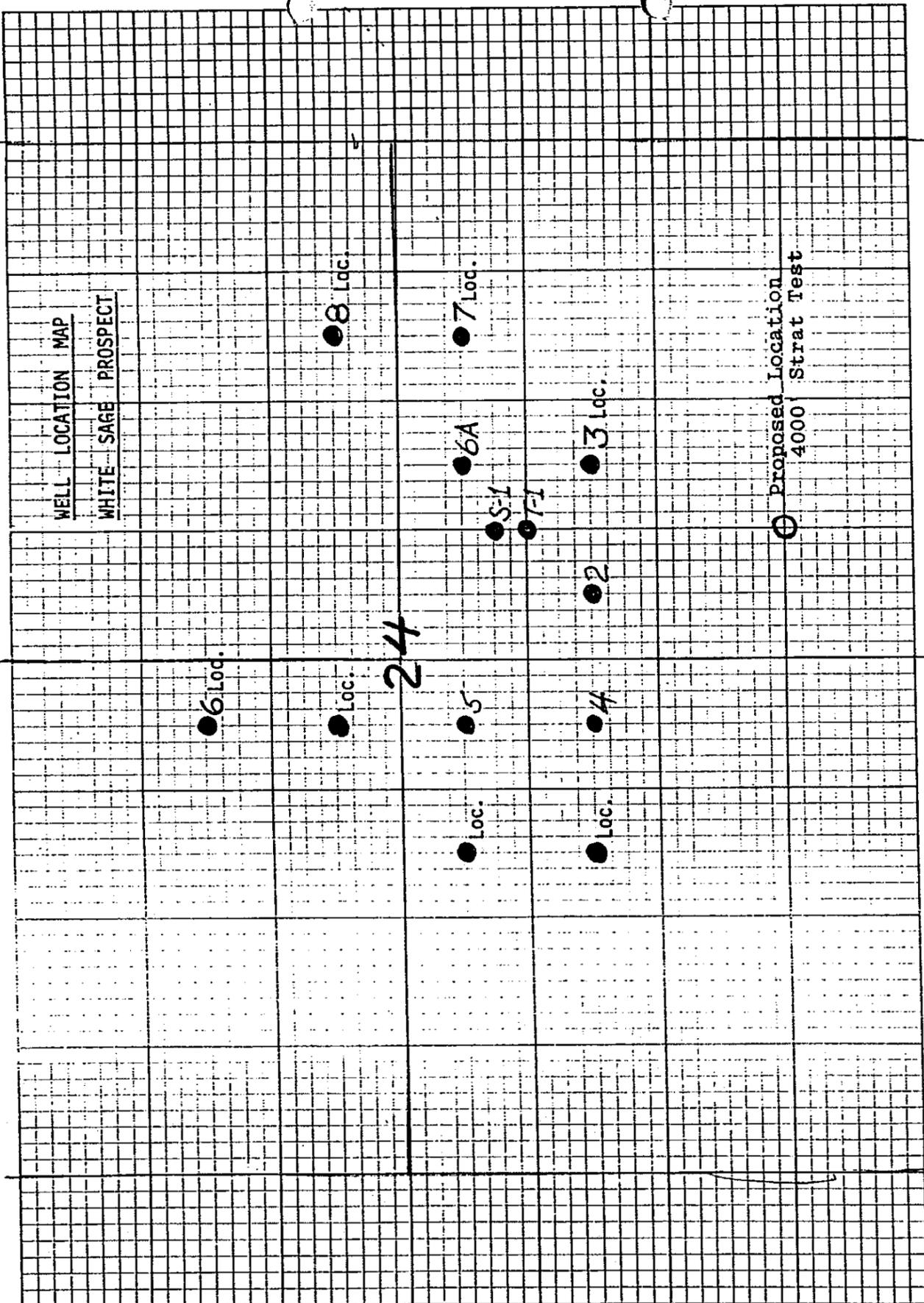
Registered Professional Engineer and/or Land Surveyor

Philip L. Duke

Certificate No.
I.S. 1876 UT.

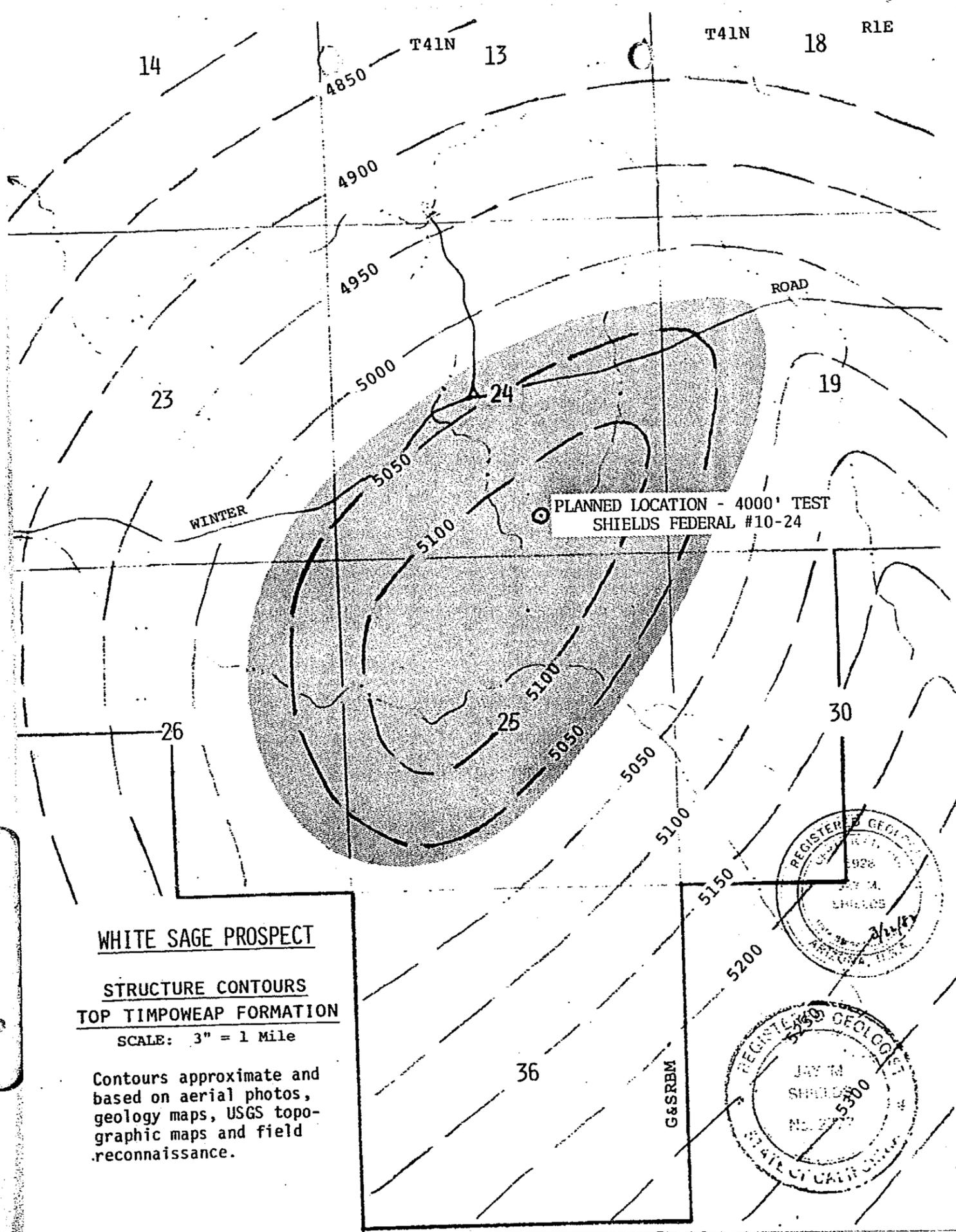
PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement	Type
8 5/8"	24#	K-55	Surf.	540'	540'	250	Halliburton
4 1/2"	10.5#	K-55	Surf.	3700' + or -	3700' to 2500'	250	Halliburton



WELL LOCATION MAP
WHITE SAGE PROSPECT

8 Squares
to the Inch



WHITE SAGE PROSPECT
STRUCTURE CONTOURS
TOP TIMPOWEAP FORMATION
 SCALE: 3" = 1 Mile

Contours approximate and based on aerial photos, geology maps, USGS topographic maps and field reconnaissance.

PLANNED LOCATION - 4000' TEST
 SHIELDS FEDERAL #10-24

REGISTERED GEOLOGIST
 1928
 JAY M. SHIELDS
 STATE OF CALIFORNIA

REGISTERED GEOLOGIST
 5350
 JAY M. SHIELDS
 No. 2115
 STATE OF CALIFORNIA

G&SRBM

WHITE OGE PROSPECT - STRATIGRAPHIC SECTION

AGE	DEPTH	FORMATION	THICKNESS
TRIASSIC	Surface 0' 80'	Moenkopi Timpoweap	80'
Cored Oil Sat Dol(34%) S#1-24 TD 482'	500'	Kaibab Shallow Water Marine to Lagoonal Carbonate-Evaporite Basin(Sabkha)	420'
	530'	White Rim SS	/30'
	850'	Toroweap Shallow Water Marine Cycles Sabkha in Part	320'
	870'	Coconino SS	/20'
Oil T#1-24 TD 900'	1480'	Hermit Shale (Cedar Mesa SS) Interbedded SS & Red Shale Mostly Shallow Water Marine Evaporites locally	610'
	2160'	Supai Red SS & Shales Marine in Lower Section	700'
PERMIAN	2180'		
PENNSYLVANIAN	2480'	Callville LS Carbonate Platform Early Penn (Morrowan) Sequence	300'
MISSISSIPPIAN	3180'	Redwall LS Carbonate Platform Shallow Water Marine Algal & Biohermal Reefing in Part	700'
DEVONIAN	3580'	Martin Shallow Water Marine Reefing probable off Kaibab Positive Area to East	400'
CAMBRIAN	4280'	Muav LS Marine Limestone and Dolomite Sandy & Shaley in Part	700'
		Bright Angel SH	300'
		Tapeats SS	/100'
PRE-CAMBRIAN		Basement	

DESIGNATION OF OPERATOR

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APR 21 1982

O & G CONS. COMM.

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

DISTRICT LAND OFFICE:
SERIAL NO.: A 10457 Phoenix, Arizona

and hereby designates

NAME: Shields Exploration Company
ADDRESS: 320 Bellino Drive, Pacific Palisades, California 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.

*Shields Expl. Co.
Operator + General P.
Raymond Shields, Pres.*
(Signature of lessee)
Shields 1981 Program

March 30, 1982
(Date)

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



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

10-24 FEDERAL
(WELL NAME)

located 660' FROM SOUTH LINE & 1980' FROM EAST LINE (SW/4 SE/4)

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

The S/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 21st day of April, 1982

OIL AND GAS CONSERVATION COMMISSION

By R. G. Yance
REGISTRAR

PERMIT No 805

RECEIPT NO. 2247
API NO. 02-005-20022

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

TEN FOOT SAMPLES ARE REQUIRED FROM SURFACE

August 30, 1982

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

Re: Shields Exploration Co.
Wells 8-24 Federal and 10-24 Federal
State Permits 787 and 805

Dear Jay:

This will acknowledge receipt of your letter of August 24,
requesting an extension of drilling time on subject wells.

Your request for a 90-day extension period is approved,
effective on the date of this letter.

If we may be of further service, please advise.

Sincerely,

R. A. Ybarra
Enforcement Director

RAY:os

805

April 22, 1982

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

Re: Shields 10-24 Federal
State Permit 805

Dear Jay:

Enclosed are approved application for permit to drill, permit
to drill, and receipt for the subject well.

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

RECEIVED

APR 21 1982

O & G CONS. COMM.

April 19, 1982

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

Re: SHIELDS FEDERAL #10-24, T41N-R1W, Coconino County, AZ

Dear Mr. Doss:

I am back to drilling again. This time, one well and deeper to approximately 4,000 feet. In accordance with the requirements of the Commission, I enclose the following forms and documents:

1. SHIELDS FEDERAL #10-24
 - a) Application for Permit to Drill including Survey Plat of Location by Phil Drake, R.L.S., Utah/SF#10-24
 - b) Designation of Operator/ SF#10-24
 - c) Organization Report/ SF#10-24
 - d) Ck in the amount of \$25 for filing fee/SF#10-24

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

All of the above applications have been filed with John Wagner, USGS and the BLM. In view of my previous operations, (Travis #1-24 and

SHIELDS EXPLORATION CO.
 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	INVOICE NUMBER	DESCRIPTION	AMOUNT	DEDUCTIONS		NET AMOUNT
				PARTICULARS	AMOUNT	
4/14/82	#501	Ck 142: Oil & Gas Conservation Commission Filing Fee for the Shields Federal #10-24	\$25.00			\$25.00

RECEIVED

APR 21 1982

O & G CONS. COMM.

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

RECEIVED

APR 21 1982

O & G CONS. COMM.

April 19, 1982

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

Re: SHIELDS FEDERAL #10-24, T41N-R1W, Coconino County, AZ

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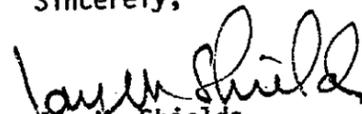
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All of the above applications have been filed with John Wagner, USGS and the BLM. In view of my previous operations, (Travis #1-24 and four Shields Federal Wells, it is my hope that the required permit will issue so that I might commence operations in early May.

Sincerely,


Jay M. Shields
JMS/mm

Enclosures: For SHIELDS FEDERAL #10-24
cc (2 each) Application for Permit to Drill & Survey Plat
cc (2 each) Designation of Operator
cc Organization Report
Ck for \$25.00, Filing Fee