

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

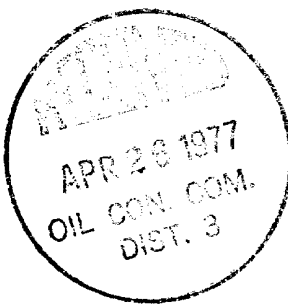
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Navajo 14-20-603-5024
2. NAME OF OPERATOR Scates Exploration Company, Inc. c/o Cecil D. Gritz		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal
3. ADDRESS OF OPERATOR 44 Union Boulevard, Suite 619, Lakewood, Colorado 80228		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FNL 1980' FWL Section 31, T 29 N - R 17 W San Juan County, New Mexico		8. FARM OR LEASE NAME Navajo Tract #20
14. PERMIT NO.		9. WELL NO. 22-31
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5196' GR		10. FIELD AND POOL, OR WILDCAT Pajarito
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31, T 29 N - R 17 W
		12. COUNTY OR PARISH San Juan
		13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Spudding well & setting conductor csg.</u>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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.)*

See attached Daily Drilling Report for details of all operations conducted to date.



APR 25 1977

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

SIGNED [Signature] TITLE Consulting Petroleum Engineer DATE 4/22/77

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

DAILY DRILLING REPORT

Prospect Name: Pajarito
Well Name: Navajo Tract 20 - #22-31
Location: 1980' FNL 1980' FWL Section 31, T 29 N - R 17 W
San Juan County, New Mexico
Well Type: Wildcat Development Field Extension Other
Objective Zones: Pennsylvanian Paradox Formation
Projected Depth: 7600' Elevations: 5196' GL 5210' KB
Contractor: Loffland Bros. Company
Spud: 2:30 p.m. 4/19/77 Completed: _____ Status: _____

DATE	DEPTH	DETAILS
2/28/77		Staked location.
3/01/77		Submitted application and supporting documents to USGS and BIA.
thru		Solicited bids for drilling contractor. Finalized plans for initiating
4/10/77		project. Obtained necessary approvals from various regulatory agencies.
4/11/77		Started building access road and location. Preparing to move in
		Loffland Bros. Co. drilling rig later this week.
4/12/77		Completing location and starting to build reserve pit. Rig will start
		arriving late this p.m. or tomorrow a.m.
4/13/77		Location complete. Building reserve pit.
4/14/77		Moving in rotary tools.
4/15/77		Moving in rotary tools. Prep to rig up.
4/16/77		Rigging up rotary tools.
4/17/77		Rigging up rotary tools.
4/18/77		Rigging up rotary tools. Prep to spud this p.m. or tomorrow a.m.
4/19/77		Prep to spud.
4/20/77	180'	Prep to cement 13 3/8" casing. Drilled mouse hole and rat hole.
		Spudded 17 1/2" hole at 2:30 p.m. 4/19/77. Bit #1- 17 1/2" Security
		4TJ. Made 180' in 9 1/2 hrs. Surveys: 1 1/4" @ 73', 1 1/4" @ 128' and
		3/4" @ 180'. MUD WT. 9.0, VIS 45. Ran 5 jts. (199.94') 13 3/8" csg.
		Landed at 180' KB.
4/21/77	180'	Tripping in to drill cmt. Cmt. csg. w/200 sx C1 "H" + 2% CaCl. Cmt.
		circulated. WOC. Nippled up. Tested BOP to 1000 psig. Held okay.
		Tripped in with Bit #2. Tagged cmt. at 123'. Bit #2- 12 1/4" Smith DT
		w/3-12 jets.
4/22/77	925'	Drilling. Made 745 feet. Bit #2- 12 1/4" Smith DTJ in at 180' made 745'
		in 17 3/4 hrs. Surveys: 3/4" @ 280', 3/4" @ 430', 1/2" @ 600' and 1/4"
		@ 845'. MUD WT. 8.7, VIS 29.

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verse side)

Form approved.
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5. LEASE DESIGNATION AND SERIAL NO.

Navajo 14-20-603-5024

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Navajo Tract #20 - 31

9. WELL NO.

22

10. FIELD AND POOL, OR WILDCAT

Pajarito

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

Sec. 31, T 29 N - R 17 W

12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Scates Exploration Company, Inc. c/o Cecil D. Gritz

3. ADDRESS OF OPERATOR

44 Union Boulevard, Suite 619, Lakewood, Colorado 80228

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1980" FNL 1980" FWL Section 31, T 29 N - R 17 W
San Juan County, New Mexico

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5196" GR 5210" KB

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Setting & Cementing surface csg.

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

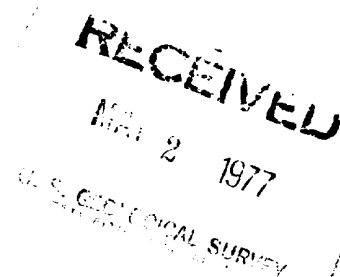
REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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.)*

See attached Daily Drilling Report for details of all operations conducted to date.



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

SIGNED

TITLE Consulting Petroleum Engineer DATE 4/29/77

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

DAILY DRILLING REPORT

Prospect Name: Pajarito
Well Name: Navajo Tract 20 - #22-31
Location: 1980' FNL 1980' FWL Section 31, T-29N, R-17W
San Juan County, New Mexico
Well Type: Wildcat Development Field Extension Other
Objective Zones: Pennsylvanian Paradox Formation
Projected Depth: 7600' Elevations: 5196' GL 5210' KB
Contractor: Loffland Bros. Company
Spud: 2:30 p.m. 4/19/77 Completed: _____ Status: _____

DATE	DEPTH	DETAILS
4/29/77	3380'	Drilling. Made 440 feet. Bit #6- 8 3/4" STC F-3 in at 2566' made 814 ft. in 37 3/4 hrs. Had 2" to 2 1/2" water flow @ 2980'. Salinity 900 PPM. Drilling fluid is water.

DAILY DRILLING REPORT

Prospect Name: Pajarito
 Well Name: Navajo Tract 20 - #22-31
 Location: 1980' FNL 1980' FWL Section 31, T 29 N - R 17 W
San Juan County, New Mexico
 Well Type: Wildcat Development Field Extension Other
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 Contractor: Loffland Bros. Company
 Spud: 2:30 p.m. 4/19/77 Completed: _____ Status: _____

DATE	DEPTH	DETAILS
2/28/77		Staked location.
3/01/77		Submitted application and supporting documents to USGS and BIA.
thru		Solicited bids for drilling contractor. Finalized plans for initiating project. Obtained necessary approvals from various regulatory agencies.
4/10/77		Started building access road and location. Preparing to move in Loffland Bros. Co. drilling rig later this week.
4/11/77		Completing location and starting to build reserve pit. Rig will start arriving late this p.m. or tomorrow a.m.
4/12/77		Location complete. Building reserve pit.
4/13/77		Moving in rotary tools.
4/14/77		Moving in rotary tools. Prep to rig up.
4/15/77		Rigging up rotary tools.
4/16/77		Rigging up rotary tools.
4/17/77		Rigging up rotary tools. Prep to spud this p.m. or tomorrow a.m.
4/18/77		Prep to spud.
4/19/77		Prep to cement 13 3/8" casing. Drilled mouse hole and rat hole.
4/20/77	180'	Spudded 17 1/2" hole at 2:30 p.m. 4/19/77. Bit #1- 17 1/2" Security 4TJ. Made 180' in 9 1/2 hrs. Surveys: 1 1/4" @ 73', 1 1/4" @ 128' and 3/4" @ 180'. MUD WT. 9.0, VIS 45. Ran 5 jts. (199.94') 13 3/8" csg. Landed at 180' KB.
4/21/77	180'	Tripping in to drill cmt. Cmt. csg. w/200 sx C1 "H" + 2% CaCl. Cmt. circulated. WOC. Nippled up. Tested BOP to 1000 psig. Held okay. Tripped in with Bit #2. Tagged cmt. at 123'. Bit #2- 12 1/4" Smith DT w/3-12 jets.
4/22/77	925'	Drilling. Made 745 feet. Bit #2- 12 1/4" Smith DTJ in at 180' made 745' in 17 3/4 hrs. Surveys: 3/4" @ 280', 3/4" @ 430', 1/2" @ 600' and 1/4" @ 845'. MUD WT. 8.7, VIS 29.
4/23/77	1606'	Circulating to trip. Made 681'. Bit #2- 12 1/4" STC DT in at 180' out at 945' made 765 ft. in 18 1/4 hrs., Bit #3- 12 1/4" DS 3/16 in at 945' out at 1606' made 661' in 17 3/4 hrs. Surveys: 3/4" @ 945', 1/2" @ 1293'. MUD WT. 8.6, VIS 29. Dakota top 1310 (+3900) 17' high to Amerada 1-20. 1st water flow from Morrison @ 1640.
4/24/77	1840'	Drilling. Made 234'. Bit #3- 12 1/4" STC DS 3/16 in at 945' out at 1606' made 661 feet in 17 3/4 hr. Bit #4- 12 1/4" STC DT 2/14 in at 1606' made 234 in 20 hrs. Surveys: 1/4" @ 1606'. MUD WT. 9.1, VIS 36.
4/25/77	2265'	Drilling. Made 425'. Bit #4- 12 1/4" STC DT 2/14 in at 1606 out at 1845' made 239' in 21 hrs. Bit #5- 12 1/4" STC F-3 3/15 in at 1845' made 420' in 16 1/2 hrs. Survey: 1/4" @ 2074'. MUD WT. 9.1, VIS 37. 2nd water flow occurred at 1940'.
4/26/77	2566'	Tripping out to run csg. Made 301 feet. Bit #5- 12 1/4" Smith F3 in at 1845' out at 2566' made 721 feet in 37 hrs. Had third water flow at 2460'. Cut 9.4 mud to 9.1-9.2.
4/27/77	2566'	Picking up 6 1/2" drill collars. Ran 59 jts. 36# K-55 ST&C 9 5/8" csg. and 1 jt. LT&C csg. (2542 feet total) Set @ 2559' KB. Cmt'd. w/ 166 sx Howco C1 "B" + 2% CC. Cmt. in place 6:00 p.m. 4/26/77.
4/28/77	2940'	Drilling. Made 374 feet. Bit #6- 8 3/4" STC F-3 in at 2566' made 374 ft in 14 hrs. Tagged cement at 2512'. Drilled hard cement to csg. shoe. Circulated rat hole & shut down to check for water flow below csg. Had no flow. Started drilling new hole. Drilling fluid is water.