Form 9-331
Dec. 1973

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 [X] gas well [ ] other

2. NAME OF OPERATOR
R. E. Lauritsen

3. ADDRESS OF OPERATOR
P. O. Box 2364, Farmington NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 760 FSL, ~~990~~ 900 FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
28752

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Scarecrow

9. WELL NO.
#1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 4, T24N, R8W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6883 G.L. - 6896 KB

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	[X]	[ ]
SHOOT OR ACIDIZE	[X]	[ ]
REPAIR WELL	[ ]	[ ]
PULL OR ALTER CASING	[ ]	[ ]
MULTIPLE COMPLETE	[X]	[ ]
CHANGE ZONES	[ ]	[ ]
ABANDON*	[ ]	[ ]
(other)		

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

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

SEE ATTACHED COMPLETION PROCEDURES

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

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

SIGNED R E Lauritsen TITLE Operator DATE 12/16/81

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD
DEC 17 1981
FARMINGTON DISTRICT
BY _____

*See Instructions on Reverse Side

NMOCC

R. E. LAURITSEN

Scarecrow No. 1

COMPLETION PROCEDURE

Location: 760 FSL and 900 FEL
Section 4, T24N, R8W
San Juan County, New Mexico

Elevation: 6883' G.L.
6896' K.B.

Procedure:

Proposed Dates:

12/15/81 1. Move in, rig up Action Well Service Rig No. 6. Install tubing head and BOP's.

2. Pick up 2-3/8" tubing and 3-7/8" bit with casing scraper. Trip in to stage tool at 4462' K.B.

12/16/81 3. Drill out stage tool.

4. Drill out to PBTD of 6812' K.B. (Need 6650' of hole)

5. Pressure test casing to 4000 psi. Circulate hole clean with 1% KCL water.

6. Spot 250 gallons 7½% D.I. HCL acid. Trip tubing out of hole.

7. Run Gamma Ray correlation log, CLL, and CBL under 1500 psi from PBTD to 5200 ft. Record footage correction between gamma ray correlation and open hole log.

8. Perforate Graneros intervals with 1 JSPF:

6521-6525	4'	total 26', 26 holes
6528-6546	18'	
6554-6558	4'	

(1)

12/17/81 9. Rig up Western Company - breakdown perforations, establish rate into perfs.

10. Fracture stimulate Graneros interval with 40,000 gallons of Mini-Max III 30 lb./1000 gal. cross linked gel water containing 67,500 lbs. of 20-40 sand and 2% diesel phase as follows:

500 gal. 15% HCL acid spearhead;

10,000 gal. pad
5,000 gal. with 1.0 ppg 20-40 sand
5,000 gal. with 1.5 ppg 20-40 sand
5,000 gal. with 2.0 ppg 20-40 sand
5,000 gal. with 2.5 ppg 20-40 sand
5,000 gal. with 3.0 ppg 20-40 sand
5,000 gal. with 3.5 ppg 20-40 sand
4,350 gal. flush with lease oil

Desired Rate: 20 BPM

Anticipated Pressure: ISIP = 1750 psig
P_f = 350 psig
P_{pf} = 200 psig

TOTAL = 2300 psig

11. Run wireline set drillable bridge plug to 6350' K.B.

12. Pressure test to 4000 psig.

13. Perforate Lower Gallup Density log interval with select fire gun at 1 SPF (hole diameter = .34")

5702	5734	5762	5898
5708	5738	5764	5902
5712	5742	5806	
5716	5748	5808	
5720	5760	5818	17 holes

14. Breakdown perforations with oil and establish rate.

15. Fracture stimulate Lower Gallup interval with 43,000 gallons of Maxi-O-74 gelled oil with 25#/1000 gal. Aquaseal and 70,500 lbs. of 20-40 sand as follows:

500 gal. 15% HCL acid spearhead

12,000 gal. pad
9,000 gal with 1 ppg 20-40 sand
8,000 gal with 2 ppg 20-40 sand
7,000 gal with 3 ppg 20-40 sand
7,000 gal with 3.5 ppg 20-40 sand
3,808 gal flush with lease oil

Desired Rate: 34 BPM

Anticipated Pressure: ISIP = 1730 psig
P_f = 685 psig
P_{pf} = 700 psig

TOTAL = 3115 psig

16. Run wireline set drillable bridge plug and set at 5695' K.B.

17. Pressure test bridge plug to 4000 psi.

12/18/81 18. Perforate Upper Gallup interval with select fire gun at 1 SPF (hole diameter = .34")

5542	5595	5620	
5545	5597	5646	15 holes
5552	5610	5650	
5554	5612	5672	
5576	5618	5674	

19. Run strattle packer with collar locator, spot 250 gal. 7½% D.I. HCL acid at ±5675' K.B. Break down perforations individually. Trip out of hole with packer.

12/19/81 20. Fracture stimulate Upper Gallup interval with 32,000 gallons of Maxi-O-74 gelled oil with 25#/1000 gal. Aquaseal and 50,500 lbs. 20-40 sand as follows:

10,000 gal pad
6,000 gal with 1 ppg 20-40 sand
6,000 gal with 2 ppg 20-40 sand
5,000 gal with 3 ppg 20-40 sand
5,000 gal with 3.5 ppg 20-40 sand
3,700 gal flush with lease oil

Desired Rate: 30 BPM

Anticipated Pressure: ISIP = 1680 psig
P_f = 590 psig
P_{pf} = 700 psig

TOTAL = 2970 psig

12/21/81 21. Lay steel flowline to frac tank. Flow back well. Trip in hole with seating nipple, bit sub, and 3-7/8" bit.

22. Clean out sand on top of drillable plug and drill out bridge plug.

23. Clean out sand and debris until all Gallup perforations are open.

12/22/81 24. Swab test Gallup formation.

25. Lower tubing and drill out bridge plug clean out sand to PBTD. Friday

12/23/81 26. Test Gallup and Graneros zones to commingle.

27. Trip tubing and bit out of hole.

28. Run production string with mud anchor, perforated sub, and seating nipple. Hang bottom of tubing at ±6580' K.B.

29. Swab well in if necessary.