



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE



GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 FAX: (505) 334-6170

April 17, 1995

Certified: P 987 892 135

Thomas Dailey P C
Attorney for
First National Bank of Farmington
PO Box 2700
Farmington NM 87499

Robert Finch P A
Court Appointed Trustee
Lobo Prod
210 N Auburn Ave
Farmington NM 87401

Fidelity & Deposit Co of Maryland
PO Box 1227
Baltimore MD 21203

RE: Plugging or Temporary Abandonment of Non-producing Wells

Dear Mr. Dailey:

The referenced wells below are in violation of rule #201 and rule #203.

Gulf Fed 24 #1, #30-043-20672, D-24-23N-06W, 920N/795W
Gulf Fed 36 #1, #30-043-20660, A-36-23N-06W, 850N/800E
Scarecrow #1, #30-045-25208, P-04-24N-08W, 760S/900E
Hynes Kennedy 7 #1, #30-045-25599, O-07-29N-14W, 800S/1885E
Mesa Kirtland 11 #1, #30-045-25540, C-11-29N-15W, 1190N/1850W-
Hatch #1, #30-045-24985, C-14-29N-15W, 660N/1980/W
Libra #1, #30-045-25852, C-16-32N-13W, 810N/1800W

You are hereby directed to plug and abandon these wells, return them to production or TA under rule #203 within 30 days.

If you fail to bring the wells into compliance, we will schedule a show cause hearing as to why the listed wells should not be plugged and abandoned.

Sincerely,

Johnny Robinson

Johnny Robinson
Deputy Oil & Gas Inspector

cc: Rand Carroll, well files, Robert Finch P A, Fidelity & Deposit Co

*Well Sold to Meridian
Oil & Gas Corp.
Disregard*

BEFORE EXAMINER STOGNER	
OIL CONSERVATION DIVISION	
<i>OCD</i>	EXHIBIT NO. <i>1c</i>
CASE NO.	<i>11379</i>

1

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-1-78REQUEST FOR ALLOWABLE
AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

OPERATOR
PRODUCTION OFFICE
Operator

R.E. Lauritsen

Address

P.O. Box 2364, Farmington, NM 87401

Reason(s) for filing (Check proper box)

New Well

☒

Change in Transporter of:

Recompletion

☐

Oil

☐

Dry Gas

☐

Change in Ownership

☐

Casinghead Gas

☐

Condensate

☐

Other (Please explain)

FEB 24 1982
OIL CON. COM.
DIST. 3If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Inc. Forming	Kind of Lease	Lease No.
Scarecrow	1	Gallup-Dakota Commingled	State, Federal or Foreign	NM28752
Location				
Unit Letter	P	760 Feet From The South Line and 900 Feet From The East		
Line of Section	4	Township 24N	Range 8W	NMPM, San Juan County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Giant Industries Inc.	Security Life Building, 1616 Glenarm Pl Suite 1230, Denver, CO 80202					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	P	4	24N	8W	No	

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
	X		X					
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
9-30-81	12-28-81		6850		6797			
Elevations (DF, RKB, RT, CR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
6896 KB	Gallup-Dakota Commingled		5542		6,607.87			
Perforations	6521-6558; 5702-5902; 5542-5674					Depth Casing Shoe		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
7 7/8	4 1/2" casing		6858		1,280			
	2 3/8" tubing		6607.87					

V. TEST DATA AND REQUEST FOR ALLOWABLE
OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
2-7-82	2-18-82	Pump	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
24 hours	25 lbs.	600#	3/8"
Actual Prod. During Test	Oil-Bble.	Water-Bble.	Gas-MCF
	89.6	-0-	43.9

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bble. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

OIL CONSERVATION DIVISION

FEB 24 1982

APPROVED _____, 19__

BY Original Signed by CHARLES GHOLSON

TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Rate Forms C-104 must be filed for each pool in multiply

R.E. Lauritsen
(Signature)Operator
(Title)2-22-82
(Date)

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-104
Revised 10-1-78

REGISTRATION OFFICE	
DISTRIBUTION	
POSTAGE	
FILE	
MAIL ROOM	
LAND OFFICE	
TRANSPORTER	<input type="checkbox"/> OIL <input type="checkbox"/> GAS
OPERATOR	
REGISTRATION OFFICE	

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED

FEB 02 1984

OIL CON. DIV.
DIST. 3

Lobo Production

Address
PO Box 2364 Farmington, NM 87499

Reason(s) for filing (Check proper box)

New Well	<input type="checkbox"/>	Change in Transporter of:	
Completion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input checked="" type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>

Other (Please explain)

In change of ownership give name
and address of previous owner

R.E. Lauritsen, PO Box 2364 Farmington, NM 87499

DESCRIPTION OF WELL AND LEASE

Well Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Scarecrow	#1	Gallup-Dakota Commingled	State, Federal or Free Federal	NM28752

Unit Letter P ; 760 Feet From The South Line and 900 Feet From The East

Line of Section 4 Township 24N Range 8W, NMPM, San Juan County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Giant Refinery	PO Box 9156, Phoenix, Az 85068
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When.
	P 4 24N 8W No

This production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Hole	Drill Re-drill
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Deviation (DF, REB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Corrections			Depth Casing Shoe					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE
OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Net Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Test Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Producing Method (pilot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

OIL CONSERVATION DIVISION

APR 02 1984

APPROVED

BY

TITLE

SUPERVISOR DISTRICT #3

This form is to be filled in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filled for each pool in multiply completed wells.

(3)



BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

October 15, 1981

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Merrion & Bayless
P. O. Box 1541
Farmington, New Mexico 87401

Attention: Mr. Robert L. Bayless

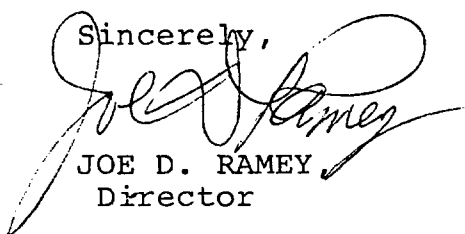
Administrative Order NSL-1426

Gentlemen:

Reference is made to your application for a non-standard location for your Scarecrow Well No. 1 located 760 feet from the South line and 900 feet from the East line of Section 4, Township 24 North, Range 8 West, NMPM, Basin-Dakota Pool, San Juan County, New Mexico.

By authority granted me under the provisions of Rule 3 of Order No. R-1670, the above-described unorthodox location is hereby approved.

Sincerely,


JOE D. RAMEY
Director

JDR/RLS/dr

cc: Oil Conservation Division - Aztec
Oil & Gas Engineering Committee - Hobbs
U. S. Geological Survey - Farmington

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
R.E. Lauritsen
3. ADDRESS OF OPERATOR
P.O. Box 2364, Farmington, New Mex. 87499
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 760' FSL 900' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☐

(other) Produce well in order to
run a GOR test

RECEIVED

JUN 14 1983

U. S. GEOLOGICAL SURVEY,
FARMINGTON, N. M.

Report results of multiple completion tests or change on Form 9-330.)

RECEIVED

JUN 15 1983

OIL CON. DIV.

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.)*

Requesting approval to produce Scarecrow #1 for 30 days for the purpose of running an updated G.O.R. test. We would like to have approval to produce the well for 10 days each month and expect to be venting 300-420 MCF per month.

R.E. Lauritsen Drilling is currently negotiating a contract for the purchase of casing head gas with Northwest pipeline.

This Approval Or Temporary
Abandonment Expires 7/14/83

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 6-13-83

(This space for Federal or State office use)

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

JUN 14 1983
James F. Sims
JAMES F. SIMS

DISTRICT OIL & GAS SUPERVISOR

*See Instructions on Reverse Side

NMOCC

(5)

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.)

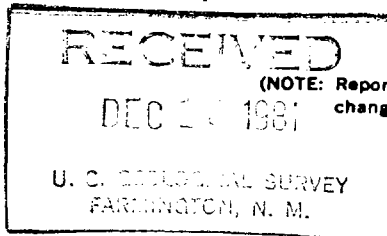
1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
R. E. Lauritsen
3. ADDRESS OF OPERATOR
P. O. Box 2364, Farmington NM 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 760 FSL, 990 FEL
AT TOP PROD. INTERVAL: 900
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☒
SHOOT OR ACIDIZE ☒
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☒
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

- ☐
☐
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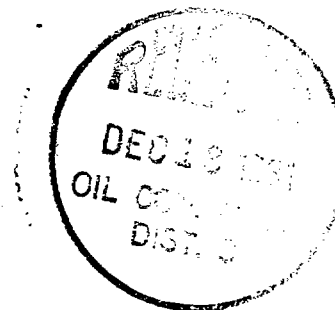


5. LEASE
28752
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Scarecrow
9. WELL NO.
#1
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 4, T24N, R8W
12. COUNTY OR PARISH San Juan 13. STATE New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6883 G.L. - 6896 KB

(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

*See Instructions on Reverse Side

NMOCC

FARMINGTON DISTRICT
BY Sm

6

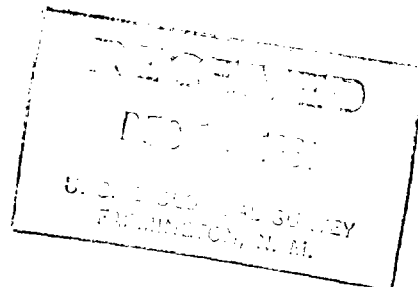
R. E. LAURITSEN

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 7 1/2% 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;

⑦

Scarecrow No. 1
Completion Procedure, Cont.
Page 2

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
<u>5708</u>	5738	5764	<u>5902</u>
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

8

② 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")

③

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

19. Run straddle 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:

Set

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

SI ④ Anticipated Pressure: ISIP = 1680 psig
Pf = 590 psig
Ppf = 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.

Mon 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.

Tues 25. Lower tubing and ^{drill out bridge plug} clean out sand to PBTD. *Friday*

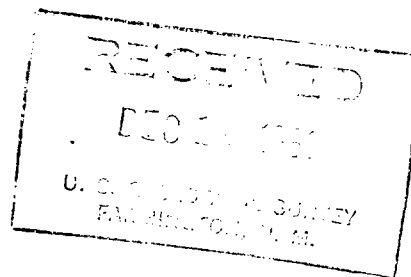
12/23/81 26. Test Gallup and Graneros zones to commingle.

27. Trip tubing and bit out of hole.

⑨

Scarecrow No. 1
Completion Procedure, Cont.
Page 4

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.



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
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 FEL
AT TOP PROD. INTERVAL: 900
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

(other) Cementing surface casing

RECEIVED

DEC 16 1981

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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.)*

11/24/81 - Set surface casing to 229' - 8-5/8 - 23 lb.
Hole size 12-1/4"
175 sacks Type B
5 sacks CaCl₂
1 sack Flocele
13 bbl H₂O displaced
10 bbl cement returned
25' cement left in pipe



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

*See Instructions on Reverse Side

DEC 17 1981

NMOCC

FARMINGTON DISTRICT
BY SM

11


DICK LAURITSEN
Geophysicist
P.O. BOX 832
FARMINGTON, NEW MEXICO 87401
TELEPHONES: (505) 327-0331 OR 327-0204

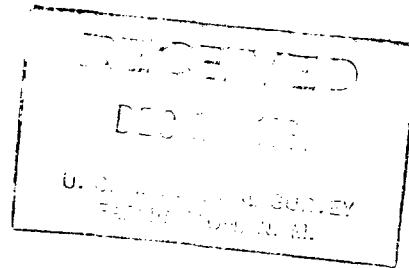
USGS
P. O. Box 959
Farmington NM 87401

Re: Scarecrow #1
SE/4, SE/4, Sec. 4, T24N, R8W
San Juan County, New Mexico

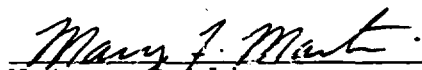
Results of the deviation survey on the Scarecrow #1 were
as follows:

230'	-	3/4°
1588'	-	1-1/2°
2752'	-	3/4°
5212'	-	1-3/4°
6526'	-	1-1/2°
6855'	-	1-1/4°


R. E. Lauritsen



Subscribed and sworn to me this 3rd day of February 1982 by R. E. Lauritsen.


Notary Public
My Commission Expires
6-3-93



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 abandon or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

RECEIVED
DEC 18 1981
OIL CON. COM.
DIST. 3

1. oil well ☒ 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 FEL

AT TOP PROD. INTERVAL: 900

AT TOTAL DEPTH:

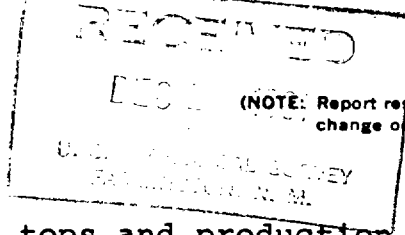
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT-OF:

☐
☐
☐
☐
☐
☐
☐
☐



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

(other) Report drilling progress, tops and production casing

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.)*

12/4/81 - TD at 6858'

12/5 - 12/6/81 - Cemented production casing (see engineers report attached)

Tops as follows:	Ojo Alamo	1385	Mancos Sh	4677
	Kirtland Sh	1580	Gallup Sand	5397
	Picture Cliff	2125	Greenhorn	6440
	Lewis Sh	2223	Graneros	6519
	Cliff House	2946	Dakota	6600
	Menefee	3020	Burro Canyon	6801
	Point Look Out	4380	TD	6858

Deviation survey attached

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

*See Instructions on Reverse Side

NMOCC

BY SMC
FARMINGTON DISTRICT

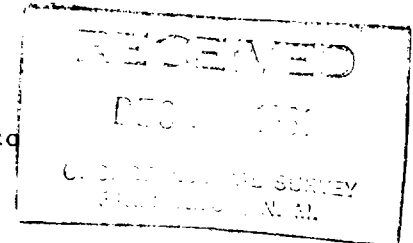
13



P.O. Box 819
Bloomfield, New Mexico 87413

(505) 632-3385

R. E. Lauritsen
Scarecrow #1
Section 4, T24N, R8W
San Juan County, New Mexico



DRILLING HISTORY

12/5/81 TD 6855' KB. Ran 4½" production casing as follows:

	Dowell Cement Guide Shoe	1.00'
1 jt	11.6# K-55 ST&C casing	43.97'
	Dowell Differential Fill Float Collar	1.50'
11 jt	11.6# K-55 ST&C casing	419.13'
46 jt	10.5# K-55 ST&C casing	1928.18'
	Dowell Stage Cementer	2.41'
109 jt	10.5# K-55 ST&C casing	4467.18'
167 jts		6863.37'
	landed above KB	5.37'
	casing landed at	6858.00' KB

Stage tool at 4462' KB. Anticipated PBTD 6812' KB. Top of 11.6# casing at 6392' KB. 7 centralizers thru Dakota pay, 7 through Gallup pay, and 1 above and below stage tool. Baskets above and below stage tool.

12/6/81 TD 6855' KB driller. Rig up Dowell and cement 1st Stage with 20 bbls CW-100 wash and 630 sacks Class "H" cement, 2% gel. Bumped plug at 1500 psi at 1:30 a.m. Good circulation throughout job. Dropped bomb, and opened stage cementer at 2:00 a.m. Circulated 3½ hours. Cemented 2nd Stage with 20 bbl CW-100 wash, 550 sx Class "B" cement, 2% D-79 and 100 sacks Class "H", 2% gel. Circulated 20 bbls good cement to surface. Bumped plug to 3000 psi at 7:00 a.m. Closed stage tool, held good. Left on location 1 bad jt 11.6# casing (43.58') and 5 good jts 10.5# casing (204.49') and one bad jt 10.5# casing (41.10').
JOB COMPLETE.

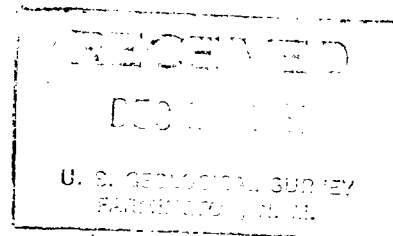
DICK LAURITSEN
Geophysicist
P.O. BOX 832
FARMINGTON, NEW MEXICO 87401
TELEPHONES: (505) 327-0331 OR 327-0204

USGS
P. O. Box 959
Farmington NM 87401

Re: Scarecrow #1
SE/4, SE/4, Sec. 4, T24N, R8W
San Juan County, New Mexico

Results of the deviation survey on the Scarecrow #1 were
as follows:

230'	-	3/4°
1588'	-	1-1/2°
2752'	-	3/4°
5212'	-	1-3/4°
6526'	-	1-1/2°
6855'	-	1-1/4°



R. E. Lauritsen

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

All distances must be from the outer boundaries of the Section.


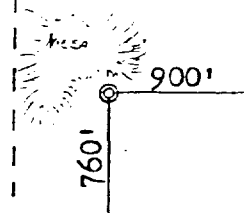
Operator MERRION & BAYLESS			Lease Scarecrow		Well No. 1
Unit Letter P	Section 4	Township 24N	Range 8W	County San Juan	
Actual Footage Location of Well: 760 feet from the South line and 900 feet from the East line					
Ground Level Elev: 6883	Producing Formation Gallup/Dakota		Pool Wildcat		Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Sec.		4	
			

Scale: 1"=1000'

CERTIFICATION

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

Name

Robert L. Bayless

Position

Co-Owner

Company

MERRION & BAYLESS

Date

September 21, 1981

I hereby certify that the well location shown on this 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

August 21, 1981

Registered Professional Engineer
and Land Surveyor

FRED B. KERR, JR.

Certification No.

3950

16

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

R. E. Lauritsen

3. ADDRESS OF OPERATOR

P. O. Box 832, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 760' FSL & 900' FEL

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 ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

☐
☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE

NM 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 13. STATE

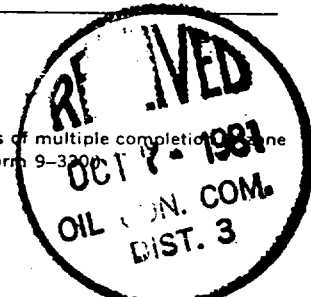
San Juan

N.M.

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6883'

(NOTE: Report results of multiple completion change on Form 9-3200)



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.)*

Please correct Lease No. on Sundry Notice to change operator sent to you on September 14, 1981.

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

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

SIGNED [Signature] TITLE Agent-Merrion & Bayless DATE October 2, 1981

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

NMOCC

BY [Signature]

17

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
R.E. Lauritsen

3. ADDRESS OF OPERATOR
Box 2364, Farmington, New Mexico 87401

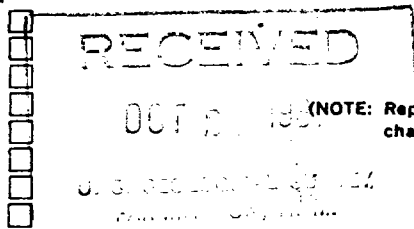
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 760' FSL & 900' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Operations

SUBSEQUENT REPORT OF:



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

5. LEASE
NM - 28752
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A
7. UNIT AGREEMENT NAME
N/A
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'

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.)*

Well spudded 9-30-81. Surface hole drilled to 185'.
Stuck in hole - worked out of hole. Drilling rig
broke down - unable to set 200' surface casing.
Moved rig off location 10-18-81. Waiting on rig.



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 10-20-81

APPROVED BY Dean Elliott (This space for Federal or State office use) TITLE ACTING SUPERVISOR DATE OCT 20 1981
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
R. E. Lauritsen
3. ADDRESS OF OPERATOR
Box 2364, Farmington, NM 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 760' FSL & 900' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
NM 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 13. STATE
14. API NO.
6883
15. ELEVATIONS (SHOW DF, KDB, AND WD)

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) Deepen

RECEIVED

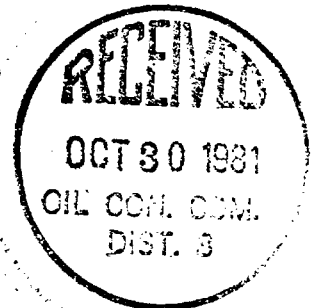
OCT 28 1981

U. S. GEOLOGICAL SURVEY

(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.)

Request to deepen well to 7000' to test
Dakota Formation.



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 October 21, 1981

APPROVED BY Dean Elliott (This space for Federal or State office use) TITLE For ACTING SUPERVISOR DATE OCT 29 1981
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NMOCC

19

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
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 FEL
AT TOP PROD. INTERVAL: 900
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) Drilling progress report

RECEIVED

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

NOV 30 1981

U.S. GEOLOGICAL SURVEY
FARMINGTON DISTRICT

5. LEASE 28752
NM 28572
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 Callup
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.

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.)*

On 11/24/81 - 229' of 8-5/8 - 23# surface casing set

On 11/30/81 at 8:00 AM - the well was at 5235' and the rig was drilling ahead. (Bayless Drilling Rig #5)



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 11/30/81

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD

*See Instructions on Reverse Side

NMOCC

DEC 1 1981

FARMINGTON DISTRICT

RV

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

R. E. Lawritson
J. Gregory Merrion & Robert L. Bayless

3. ADDRESS OF OPERATOR

P.O. Box 832, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

760' FSL & 900' FEL

At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

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

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

6883' GL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	J-55 28#	200'
7-7/8"	4-1/2"	K-55 10.5#	6000'

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

Note paragraphs:
4B & 15C

Will drill 12-1/4" hole to 200 ft. and set 200 ft. of 8-5/8", 28# casing with 175 sacks cement. Will drill 7-7/8" hole to 6000 ft. and run open hole logs. If appears productive will run 6000 ft. of 4-1/2", 10.5#, new casing and cement with 875 sacks. Will set stage collar at approximately 4650 ft. and bring cement across Ojo Alamo formation. Will perforate and stimulate as required. Minimum specifications for pressure control equipment which is to be used 10,900 double ram BOP.

ESTIMATED TOPS

Formation	Depth	Content
Ojo Alamo	1400'	
Pictured Cliffs	2075'	salt water
Mesa Verde	2890'	salt water
Gallup	5480'	oil, salt water

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 [Signature] TITLE Engineer

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE

CONDITIONS OF APPROVAL, IF ANY:

30-443-25208

5. LEASE DESIGNATION AND SERIAL NO.
NM-28752

6. INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL OF WELL

11. SEC. T. R. M. OR BLM. CARD SURVEY OF AREA

12. COUNTY OR PARISH

13. STATE

SEP 28 1981
OIL CON. COM.
DIST. 3

August 26, 1981
Raymond W. Vinyard
DISTRICT ENGINEER

All distances must be from the outer boundaries of the Section.


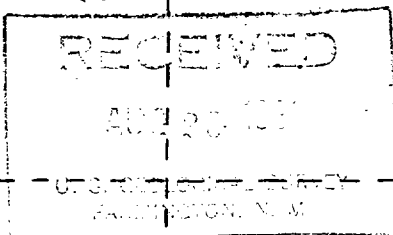
Operator MERRION & BAYLESS			Lease Scarecrow		Well No. 1
Unit Letter P	Section 4	Township 24N	Range 8W	County San Juan	
Actual Footage Location of Well: 760 feet from the South line and 900 feet from the East line					
Ground Level Elev: 6883	Producing Formation Gallup		Pool Wildcat		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Scale: 1"=1000'

CERTIFICATION

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

Name
Steven S. Dunn

Position
Engineer

Company
Merrion & Bayless

Date
August 26, 1981

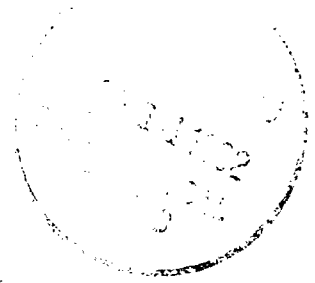
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
August 26, 1981

Registered Professional Engineer and Land Surveyor
Frederic B. Kerr Jr.

Certification No.
3950

Scarecrow #1
S. 4-24N-8W



Perfs:

Graneros

6521-6526 4 holes
6528-6546 18 holes
6554-6558 4 holes

Gallup

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

17 holes

5542, 5545, 5552, 5554, 5576
5595, 5597, 5610, 5612, 5618,
5620, 5646, 5650, 5672, 5674.

Fracture

6521 - 6558 interval

40,000 gal of Mine-Max III
30 lb/1000 gal cross linked gel
Water containing 67,500 lbs
20/40 sand and 2% diesel phase

5702 - 5902 interval

43,000 gal of Maxi-O-74 gel
oil 25 lb./1000 gal Aquaseal,
70,500 lbs. 20-40 sand.

5542 - 5674 interval

32,000 gal of Maxi-O-74 gel
oil, 25 lb./1000 gal Aquaseal
50,500 lbs. 20-40 sand.

24hr. 89.6 OIL 43.9 MCF. ØWTR 490.1 41.3° API
TP 25 - CP600 #

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.6

5. LEASE DESIGNATION AND SERIAL NO.

NM 28752

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Scarecrow

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Duffers Point
Gallup - Dakota11. SEC. T. R. M. OR BLOCK AND SURVEY
OR AREASec 4, T24N,
R8W12. COUNTY OR
PARISH

San Juan

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESEA. ☐ 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 and in accordance with any State requirements)

At surface 760 FSL, 990 FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

U. S. GEOLOGICAL SURVEY
DATE ISSUED
FARMINGTON, N. M.

15. DATE SPUNDED 9-30-81 16. DATE T.D. REACHED 12-4-81 17. DATE COMPL. (Ready to prod.) 12-28-81 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6896 KB 19. ELEV. CASINGHEAD 6883 GL

20. TOTAL DEPTH, MD & TVD 6858 21. PLUG, BACK T.D., MD & TVD 6808 6812 22. IF MULTIPLE COMPL., HOW MANY* 2 23. INTERVALS DRILLED BY → Surf-6858 24. ROTARY TOOLS 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Gallup 5542 - 5902 } Commingled
Graneros 6521 - 6558 }25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray; Spontaneous Potential; Induction - Electric; Compensated Density; Compensated Neutron 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	23#	229	12 1/4	175 Sks Type B, 5 Sks	CaCl ₂ -0-
4 1/2	10.5#	6392.4 KB	7 7/8	630 Sks Class H	
4 1/2	11.6#	6850.00 KB	7 7/8	550 Sks Class B, 100 Sks Class H	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	6608 KB	

31. PERFORATION RECORD (Interval, size and number)

See Attached Engineers Report

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	See Attached Engineers Report

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
2-7-82 (new oil)		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-18-82	24	3/8"	→	89.6	43.9	-0-	490:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
25 lb.	600#	→	89.6	43.9	-0-	41.3	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

~~time being vented~~ used for fuel, excess to be sold

TEST WITNESSED BY

Gary Roberts

35. LIST OF ATTACHMENTS

Engineers

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available data

SIGNED

R.E. Lauritsen

TITLE

Operator

DATE

3-29-82

*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOCC

FARMINGTON DISTRICT

BY

6006252-2 (24)

APR 05 1982

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

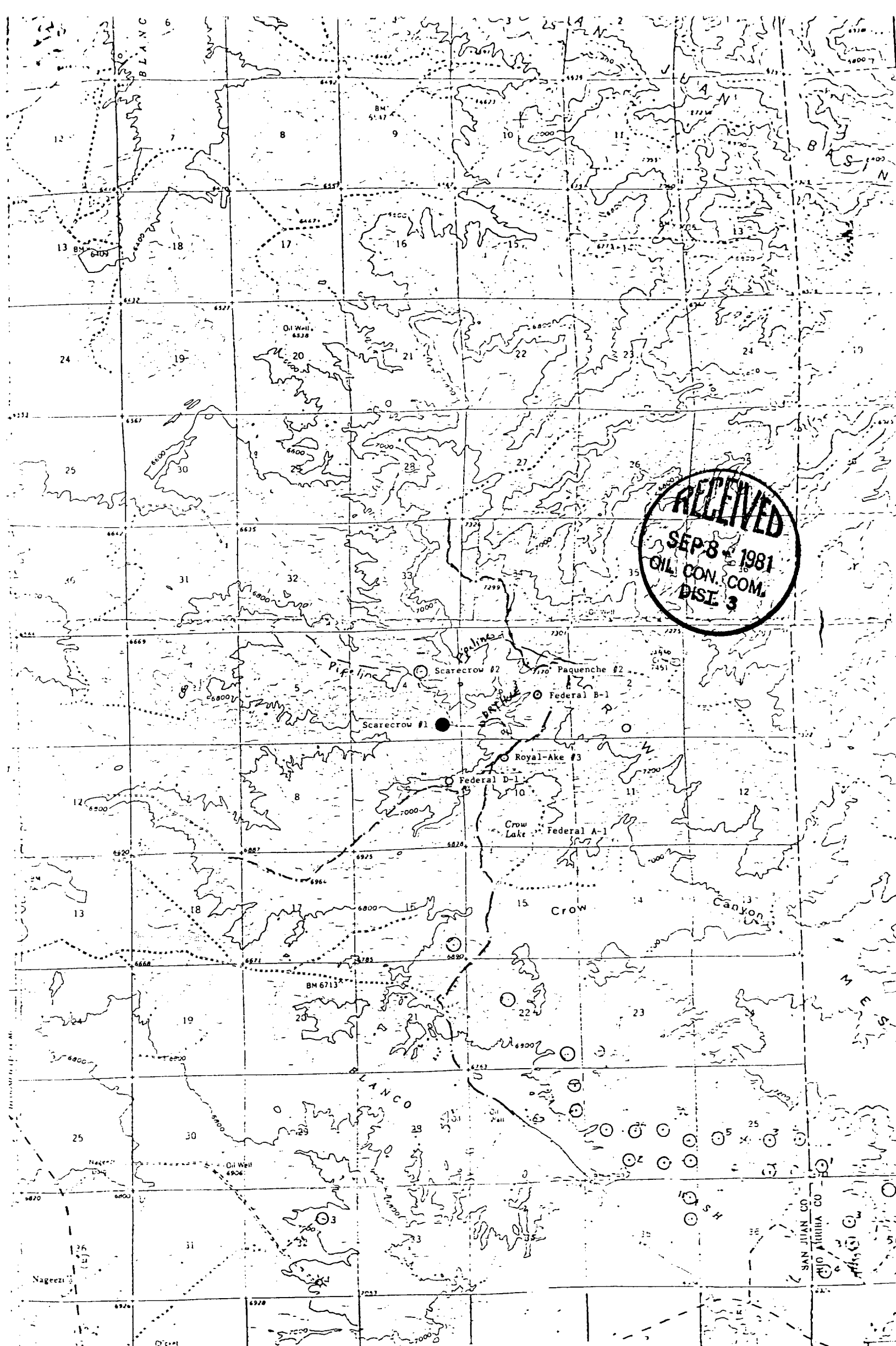
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH TOP	TRUE VERT. DEPTH
Elev.	6896 KB					
Ojo Alamo	1385	1550	Wet			
Fruitland Sh	1890	2110	No Sand Development			
Picture Cliff	2123	2212	Wet from Resistivity Log			
Cliff House	3018	3085	Wet - from Resistivity Log			
Menefee	3110	3150	Wet - from Resistivity Log			
Point Look Out	4380	4670	Wet - from Resistivity Log			
Mancos	4678	5535	Shale			
Lower Gallup Sds.	5535	5766	Oil & Gas (Completed)			
Graneros	6519	6539	Oil & Gas (Completed)			

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RECEIVED
SEP 8 1981
OIL CON. COM.
DISC 3

MERRION & BAYLESS
Scarecrow #1
760' FSL & 900' FEL
Section 4, T24N, R8W
San Juan County, New Mexico

SCALE 1" = 1/2 MI

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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

sub file

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

October 15, 1981

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Merrion & Bayless
P. O. Box 1541
Farmington, New Mexico 87401

Attention: Mr. Robert L. Bayless

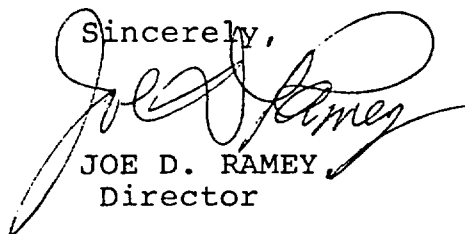
Administrative Order NSL-1426

Gentlemen:

Reference is made to your application for a non-standard location for your Scarecrow Well No. 1 located 760 feet from the South line and 900 feet from the East line of Section 4, Township 24 North, Range 8 West, NMPM, Basin-Dakota Pool, San Juan County, New Mexico.

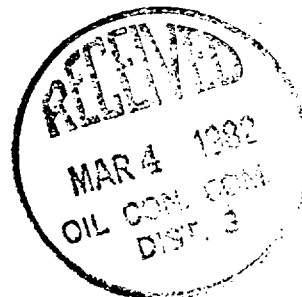
By authority granted me under the provisions of Rule 3 of Order No. R-1670, the above-described unorthodox location is hereby approved.

Sincerely,


JOE D. RAMEY
Director

JDR/RLS/dr

cc: Oil Conservation Division - Aztec
Oil & Gas Engineering Committee - Hobbs
U. S. Geological Survey - Farmington



(89)



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS RD
AZTEC, NEW MEXICO 87
(505) 334-6178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE Sept. 15, 1981

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL ✓ _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

NSL 1426

Gentlemen:

I have examined the application dated Sept. 8, 1981
for the Merrion & Bayless Scorecrow #1 P-4-24N-8W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Jeff A. Edmister

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DICK LAURITSEN
Geophysicist
P.O. BOX 832
FARMINGTON, NEW MEXICO 87401
TELEPHONES: (505) 327-0331 OR 327-0204

October 23, 1981

New Mexico Oil Conservation Commission
1000 Rio Brazos Rd.
Aztec, NM 87410

Dear Sir:

Attached you will find a sundry notice to the USGS requesting permission to deepen the Scarecrow #1 (Sec 4, T24N, R8W) to test the Dakota formation. The well is located 760' FSL & 900' FEL, which would make it a non-standard location for Dakota production. Wells in Section 3 and 11, T24N, R8W penetrated the Dakota but did not produce commercial hydrocarbons. The extremely rough terrain in the area necessitated locating the well at a non-standard location. Permission to produce hydrocarbons from the Dakota formation should they be encountered is hereby requested.

Thank you for your consideration in this matter.

Respectfully submitted,



R.E. Lauritsen

NSL applied for 9-15-81 for



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ROBERT L. BAYLESS
PETROLEUM CENTER BUILDING
P. O. BOX 1541
FARMINGTON, NEW MEXICO 87401

September 22, 1981

State of New Mexico
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501

ATTENTION: Mr. R. L. Stamets

RE: Application for Administrative
Approval of Unorthodox Location
Scarecrow #1
SE/SE Sec. 4, T24N, R8W
San Juan County, N.M.

Gentlemen:

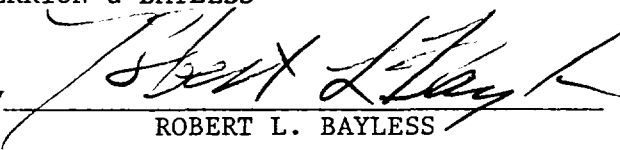
In response to your telephone request of last Friday, enclosed please find copies of waiver requests to offset owners reflecting our desire to carry the Scarecrow #1 to the Dakota formation. Also enclosed is an amended plat dedicating 320 acres instead of 40 as originally submitted.

Please advise if you require anything further.

Yours truly,

MERRION & BAYLESS

By


ROBERT L. BAYLESS

RLB/eh

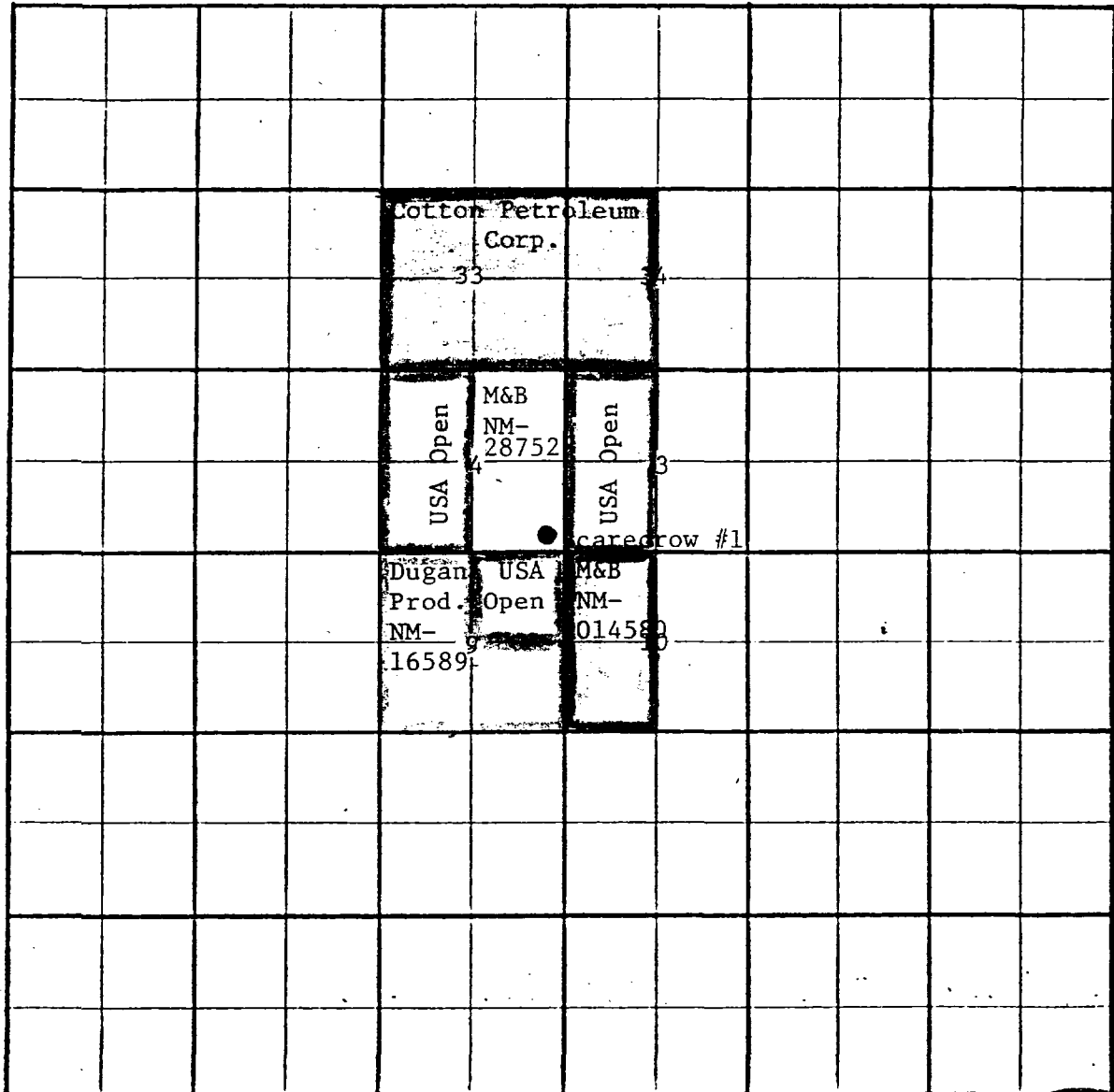
Enclosures: 2 - waiver letters
2 - location plat
2 - acreage plat

xc: ✓ NMOCC, Aztec
Dugan Production Corp.
Cotton Petroleum Corp.



MERRION & BAYLESS
 APPLICATION FOR UNORTHODOX LOCATION
 Scarecrow #1
 SE/SE Section 4, T24N, R8W
 San Juan County, N.M.

R8W



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 ☒ gas ☐
well well other

2. NAME OF OPERATOR
R.E. Lauritsen

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

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

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

(other) Change Designation

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
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☐
☐
☐

RECEIVED

MAR 16 1982

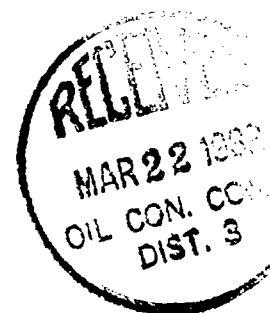
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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 markets and zones pertinent to this work.)*

Change designation-

From Gallup - Dakota Co-mingled
To Duffers Point Gallup - Dakota



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 3-3-82

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD

*See Instructions on Reverse Side

MAR 18 1982

NMOCC

FARMINGTON DISTRICT

BY SM

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