

N. M. State Demonstration for Class II Wells

NEW MEXICO

OIL CONSERVATION DIVISION

FORMS RELATED TO INJECTION

C-101 Application for Permit to Drill, Deepen or Plug Back
C-102 Well Location and Acreage Dedication Plat
C-103 Sundry Notices and Reports on Wells
C-105 Well Completion or Recompletion Report and Log
C-108 Application for Authorization to Inject
C-115 Operator's Monthly Report
C-120-A Monthly Water Disposal Report
C-131 Monthly Gas Storage Report
One - Well Plugging Bond
\$50,000 Blanket Plugging Bond
Notification of Fire, Breaks, Spills, Leaks,
and Blowouts
Field Trip Reports
Field Trip Summary
Bradenhead Test Report Forms

USGS FORMS

9-331 C Application for Permit to Drill, Deepen, or Plug Back
9-331 a Sundry Notices and Reports on Wells
9-330 Well Completion or Recompletion Report and Log

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work

b. Type of Well
 DRILL DEEPEN PLUG BACK
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

7. Unit Agreement Name

8. Farm or Lease Name

9. Well No.

.. Name of Operator

.. Address of Operator

10. Field and Pool, or Wildcat

.. Location of Well UNIT LETTER _____ LOCATED _____ FEET FROM THE _____ LINE

.. FEET FROM THE _____ LINE OF SEC. _____ TWP. _____ RGE. _____ NMPM

12. County

19. Proposed Depth

19A. Formation

20. Rotary or C.T.

.. Elevations (Show whether DF, RT, etc.)

21A. Kind & Status Plug. Band

21B. Drilling Contractor

22. Approx. Date Work will start

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE SLOWOUT PREVENTER PROGRAM, IF ANY.

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

_____ Title _____ Date _____

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

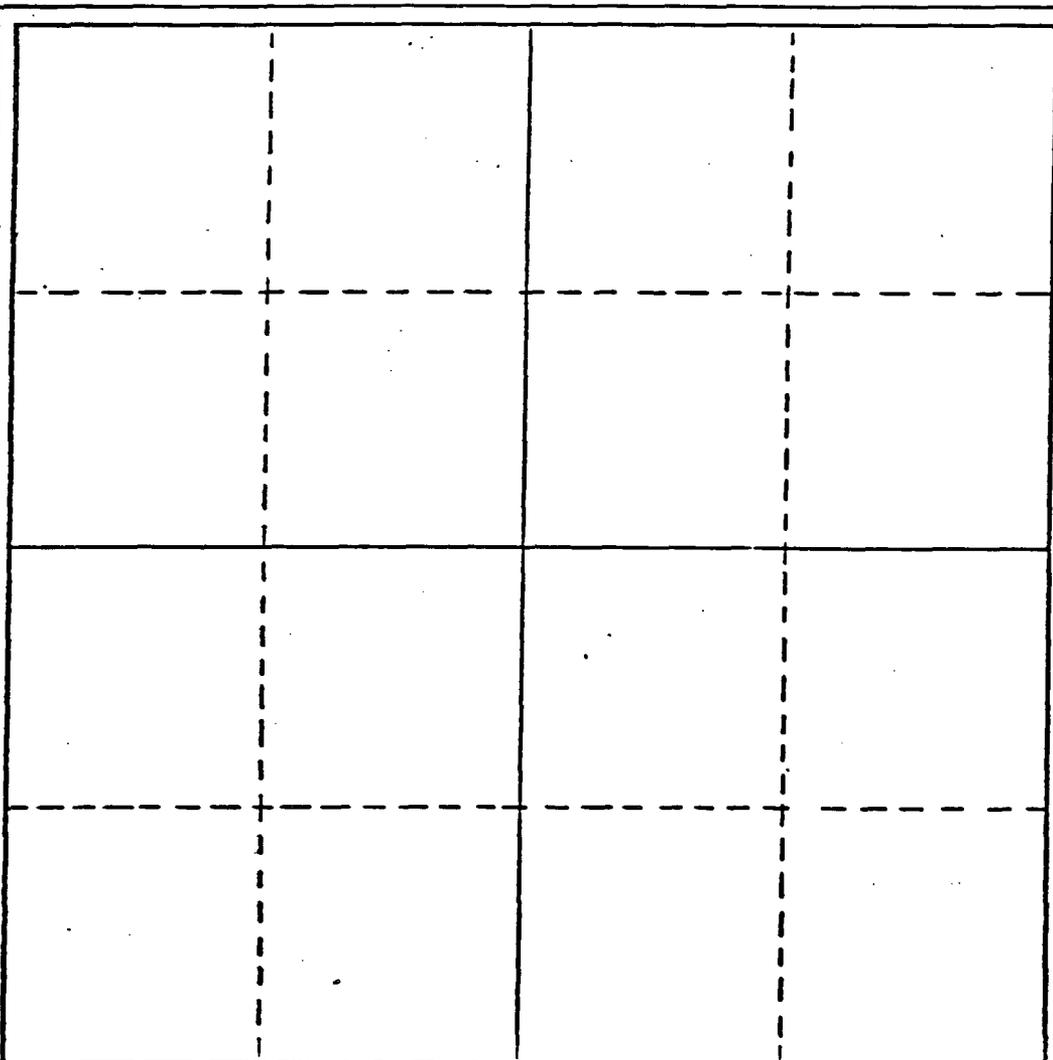
Operator			Lease			Well No.			
Unit Letter	Section	Township		Range	County				
Actual Footage Location of Well:									
feet from the			line and			feet from the			line
Ground Level Elev.	Producing Formation			Pool			Dedicated Acreage:		Acres

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 Division.



CERTIFICATION

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

Name _____

Position _____

Company _____

Date _____

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 _____

Registered Professional Engineer and/or Land Surveyor _____

Certificate No. _____



OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-73

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

5a. Indicate Type of Lease
 State Fed

5. State Oil & Gas Lease No.

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" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL GAS WELL OTHER

Name of Operator _____

Address of Operator _____

Location of Well _____

UNIT LETTER _____ FEET FROM THE _____ LINE AND _____ FEET FROM _____

THE _____ LINE, SECTION _____ TOWNSHIP _____ RANGE _____ NMPM.

7. Unit Agreement Name _____

8. Farm or Lease Name _____

9. Well No. _____

10. Field and Pool, or Widacat _____

15. Elevation (Show whether DF, RT, GR, etc.) _____

12. County _____

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

KILL OR ALTER CASING

OTHER _____

PLUG AND ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING TEST AND CEMENT JOB

OTHER _____

ALTERING CASING

PLUG AND ABANDONMENT

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

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

SIGNED _____ TITLE _____ DATE _____

APPROVED BY _____ TITLE _____ DATE _____

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

1a. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER _____

7. Unit Agreement Name

8. Farm or Lease Name

2. Name of Operator

3. Address of Operator

4. Location of Well

9. Well No.

10. Field and Pool, or Wildcat

UNIT LETTER _____ LOCATED _____ FEET FROM THE _____ LINE AND _____ FEET FROM _____

THE _____ LINE OF SEC. _____ TWP. _____ RGE. _____ NMPM _____

12. County

15. Date Spudded 16. Date T.D. Reached 17. Date Compl. (Ready to Prod.) 18. Elevations (DF, RKB, RT, GR, etc.) 19. Elev. Casinghead

20. Total Depth 21. Plug Back T.D. 22. If Multiple Compl., How Many 23. Intervals Drilled By: Rotary Tools Cable Tools

24. Producing Interval(s), of this completion — Top, Bottom, Name 25. Was Directional Survey Made

26. Type Electric and Other Logs Run 27. Was Well Cored

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production Production Method (Flowing, gas lift, pumping — Size and type pump) Well Status (Prod. or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio

Flow Tubing Press. Casing Pressure Calculated 24-Hour Rate Oil — Bbl. Gas — MCF Water — Bbl. Oil Gravity — API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? yes no
- II. Operator: _____
Address: _____
Contact party: _____ Phone: _____
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? yes no
If yes, give the Division order number authorizing the project _____.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: _____ Title _____

Signature: _____ Date: _____

- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

VII. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

STATE OF NEW MEXICO
ONE-WELL PLUGGING BOND

FOR CHAVES, EDDY, LEA, MCKINLEY, RIO ARRIBA, ROOSEVELT,
SANDOVAL, AND SAN JUAN COUNTIES ONLY

BOND NO. _____
(For Use of Surety Company)

AMOUNT OF BOND _____

COUNTY _____

NOTE: For wells less than 5,000 feet deep, the minimum bond is \$5,000.00*
For wells 5,000 feet to 10,000 feet deep, the minimum bond is \$7,500.00*
For wells more than 10,000 feet deep, the minimum bond is \$10,000.00

* Under certain conditions, a well being drilled under a \$5,000.00 or \$7,500.00 bond may be permitted to be drilled as much as 100 feet deeper than the normal maximum depth, i.e., a well being drilled under a \$5,000.00 bond may be permitted to go to 5,499 feet, and a well being drilled under a \$7,500.00 bond may be permitted to go to 10,500 feet. (See Rule 101)

File with Oil Conservation Division, P.O.Box 2088, Santa Fe 87501

KNOW ALL MEN BY THESE PRESENTS:

That _____, (An individual) (a partnership) (a corporation organized in the State of _____, with its principal office in the city of _____, State of _____, and authorized to do business in the State of New Mexico), as PRINCIPAL, and _____, a corporation organized and existing under the laws of the State of _____, and authorized to do business in the State of New Mexico, as SURETY, are held firmly bound unto the State of New Mexico, for the use and benefit of the Oil Conservation Division of New Mexico pursuant to Section 65-3-11, New Mexico Statutes Annotated, 1953 Compilation, as amended, in the sum of _____ Dollars lawful money of the United States, for the payment of which, well and truly to be made, said PRINCIPAL and SURETY hereby bind themselves, their successors and assigns, jointly and severally, firmly by these presents.

The conditions of this obligation are such that:

WHEREAS, The above principal has heretofore or may hereafter enter into oil and gas leases, or carbon dioxide (CO₂) gas leases, or helium gas leases with the State of New Mexico; and

WHEREAS, The above principal has heretofore or may hereafter enter into oil and gas leases, or carbon dioxide (CO₂) gas leases, or helium gas leases on lands patented by the United States of America to private individuals, and on lands otherwise owned by private individuals; and

WHEREAS, The above principal, individually, or in association with one or more other parties, has commenced or may commence the drilling of one well not to exceed a depth of _____ feet, to prospect for and produce oil or gas, or carbon dioxide (CO₂) gas or helium gas, or does own or may acquire, own or operate such well, or such well started by others on land embraced in said State oil and gas leases, or carbon dioxide (CO₂) leases, or helium gas leases, and on land patented by the United States of America to private individuals, and on land otherwise owned by private individuals, the identification and location of said well being _____

(Here state exact legal subdivision by acre, tract or lot)

_____ Section _____, Township _____ (North) (South), Range _____ (East) (West), N.M.P.M.
_____ County, New Mexico.

NOW, THEREFORE, If the above bounden principal and surety or either of them or their successors or assigns, or any of them, shall plug said well when dry or when abandoned in accordance with the rules, regulations, and orders of the Oil Conservation Division of New Mexico in such way as to confine the oil, gas, and water in the strata in which they are found, and to prevent them from escaping into other strata;

THEN, THEREFORE, This obligation shall be null and void; otherwise and in default of complete compliance with any and all of said obligations, the same shall remain in full force and effect.

PRINCIPAL

Address
By _____
Signature

Title

SURETY

Address
By _____
Attorney-in fact

(Note: Principal, if corporation, affix corporate seal here.)

(Note: Corporate surety affix corporate seal here.)

ACKNOWLEDGMENT FORM FOR NATURAL PERSONS

STATE OF _____)
COUNTY OF _____) ss.

On this _____ day of _____, 19_____, before me personally appeared _____, to me known to be the person (persons) described in and who executed the foregoing instrument and acknowledged that he (they) executed the same as his (their) free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the day and year in this certificate first above written.

Notary Public

My Commission expires _____

ACKNOWLEDGEMENT FORM FOR CORPORATION

STATE OF _____)
COUNTY OF _____) ss.

On this _____ day of _____, 19_____, before me personally appeared _____, to me personally known who, being by me duly sworn, did say that he is _____ and that the foregoing instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the day and year in this certificate first above written.

Notary Public

My Commission expires _____

ACKNOWLEDGEMENT FORM FOR CORPORATE SURETY

STATE OF _____)
COUNTY OF _____) ss.

On this _____ day of _____, 19_____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is _____ and that the foregoing instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the day and year in this certificate first above written.

Notary Public

My Commission expires _____

(Note: Corporate surety attach power of attorney.)

APPROVED BY:

OIL CONSERVATION DIVISION OF NEW MEXICO

By _____

D s _____

STATE OF NEW MEXICO
\$50,000.00 BLANKET PLUGGING BOND

BOND NO. _____

(For Use of Surety Company)

File with Oil Conservation Division, P.O.Box 2088, Santa Fe 87501

KNOW ALL MEN BY THESE PRESENTS:

That _____, (An individual) (a partnership) (a corporation organized in the State of _____, with its principal office in the city of _____, State of _____, and authorized to do business in the State of New Mexico), as PRINCIPAL, and _____, a corporation organized and existing under the laws of the State of _____, and authorized to do business in the State of New Mexico, as SURETY, are held firmly bound unto the State of New Mexico, for the use and benefit of the Oil Conservation Division of New Mexico pursuant to Section 65-3-11, New Mexico Statutes Annotated, 1953 Compilation, as amended, in the sum of Fifty Thousand Dollars (\$50,000.00) lawful money of the United States, for the payment of which, well and truly to be made, said PRINCIPAL and SURETY hereby bind themselves, their successors and assigns, jointly and severally, firmly by these presents.

The conditions of this obligation are such that:

WHEREAS, The above principal has heretofore or may hereafter enter into oil and gas leases, or carbon dioxide (CO₂) gas leases, or helium gas leases with the State of New Mexico; and

WHEREAS, The above principal has heretofore or may hereafter enter into oil and gas leases, or carbon dioxide (CO₂) gas leases, or helium gas leases on lands patented by the United States of America to private individuals, and on lands otherwise owned by private individuals; and

WHEREAS, The above principal, individually, or in association with one or more other parties, has commenced or may commence the drilling of wells to prospect for and produce oil or gas, or carbon dioxide (CO₂) gas or helium gas, or does own or may acquire, own or operate such well, or such wells started by others on land embraced in said State oil and gas leases, or carbon dioxide (CO₂) gas leases, or helium gas leases, and on land patented by the United States of America to private individuals, and on land otherwise owned by private individuals, the identification and location of said well being expressly waived by both principal and surety hereto.

NOW, THEREFORE, If the above bounden principal and surety or either of them or their successors or assigns, or any of them, shall plug all of said wells when dry or when abandoned in accordance with the rules, regulations, and orders of the Oil Conservation Division of New Mexico in such way as to confine the oil, gas, and water in the strata in which they are found, and to prevent them from escaping into other strata:

THEN, THEREFORE, This obligation shall be null and void; otherwise and in default of complete compliance with any and all of said obligations, the same shall remain in full force and effect.

PROVIDED, HOWEVER, That thirty (30) days after receipt by the Oil Conservation Division of New Mexico of written notice of cancellation from the surety, the obligation of the surety hereunder shall terminate as to property or wells acquired, drilled, or started after said thirty (30) day period but shall continue in effect, notwithstanding said notice, as to property or wells theretofore acquired, drilled or started.

PRINCIPAL

Address
By _____
Signature

Title

SURETY

Address
By _____
Attorney-in-Fact

(Place Principal, if corporation, affix corporate seal here.)

(Notarize Corporate Surety affix corporate seal here.)

ACKNOWLEDGMENT FORM FOR NATURAL PERSONS

STATE OF _____)
COUNTY OF _____) ss.

On this _____ day of _____, 19____, before me personally appeared _____, to me known to be the person (persons) described in and who executed the foregoing instrument and acknowledged that he (they) executed the same as his (their) free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the day and year in this certificate first above written.

My Commission expires _____

Notary Public

ACKNOWLEDGEMENT FORM FOR CORPORATION

STATE OF _____)
COUNTY OF _____) ss.

On this _____ day of _____, 19____, before me personally appeared _____, to me personally known who, being by me duly sworn, did say that he is _____ of _____ and that the foregoing instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the day and year in this certificate first above written.

My Commission expires _____

Notary Public

ACKNOWLEDGEMENT FORM FOR CORPORATE SURETY

STATE OF _____)
COUNTY OF _____) ss.

On this _____ day of _____, 19____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is _____ of _____ and that the foregoing instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the day and year in this certificate first above written.

My Commission expires _____
(Note: Corporate surety attach power of attorney.)

Notary Public

APPROVED BY:

OIL CONSERVATION DIVISION OF NEW MEXICO

By _____

Date _____

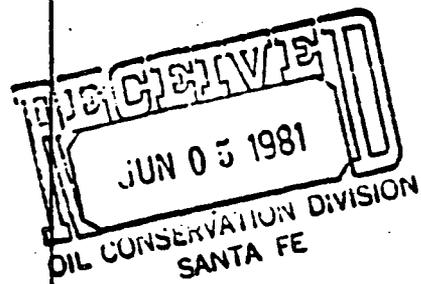
CLASSIFICATION
FACILITY
HOURS
QUARTER
HOURS

Name B. W. Weaver Date 5-13-81 Miles 136 District II
 Time of Departure 8:00 a.m. Time of Return 5:00 p.m. Car No. OF659

In the space below indicate the purpose of the trip and the duties performed, listing wells or leases visited and any action taken.

Signature B. W. Weaver

-	U	I	2	-	4 Wells	Sec. 18-18-31, Frostman Oil Corp. Shugart 18 Queen Unit Braden head survey, OK
-	U	I	2	-	3 Wells	Sec. 22-18-31, Gulf Oil Corp. Littlefield AB Fed. Braden head survey, OK
-	U	I	2	-	6 Wells	Sec. 36, 31, 1-T18 & T19-R30 & 31E, Clifford Cone Culwin Queen Unit, Braden head survey, OK
-	U	I	2	-	6 Wells	Sec. 10, 11, 15-T18S-R31E, Hudson & Hudson Shugart A, Shugart B, Braden head survey, OK



Mileage		Per Diem		Hours	
UIC	<u>136</u>	UIC	<u>9.00</u>	UIC	<u>8</u>
RFA	<u></u>	RFA	<u></u>	RFA	<u></u>
Other	<u></u>	Other	<u></u>	Other	<u></u>

TYPE INSPECTION PERFORMED	INSPECTION CLASSIFICATION	NATURE OF SPECIFIC WELL OR FACILITY INSPECTED
H = Housekeeping	U = Underground Injection Control - Any inspection of or related to injection project, facility, or well or resulting from injection into any well. (S&D, 2ndry injection and production wells, water flows or pressure tests, surface injection equipment, plugging, etc.)	D = Drilling
P = Plugging	R = Inspections relating to Reclamation Fund Activity	P = Production
C = Plugging Cleanup	O = Other - Inspections not related to injection or The Reclamation Fund	I = Injection
T = Well Test		C = Combined prod. inj. operations
R = Repair/Workover		S = S&D
F = Waterflow		U = Underground Storage
M = Mishap or Spill		G = General Operation
W = Water Contamination		F = Facility or location
O = Other		M = Meeting

**NEW MEXICO OIL CONSERVATION COMMISSION
FIELD TRIP REPORT**

C L A S S I F I C A T I O N
F A C I L I T Y
H O U P S
Q U A R T E R
H O U R S

Name B. W. Weaver Date 5/26/81 Miles 162 District II
Time of Departure 9:00 a.m. Time of Return 5:30 p.m. Car No. DF6598

In the space below indicate the purpose of the trip and the duties performed, listing wells or leases visited and any action taken.

Signature B. W. Weaver

0	P	2	-	14 Wells	Sec. 24,25,26-T18S-R30E, Hanson Oil Co. Benson, Ginsberg Fed. checked for leaks & spills, OK
0	P	-	2	2 Wells	Sec. 36-18S-R30E, Getty Oil Co. State BJ, State BK checked for signs, leaks & spills, OK
0	P	-	2	3 Wells	Sec. 31-18-31, Union Oil of Calif. Federal E, Federal F, checked for signs, leaks & spills, OK
U E	C	2	-	13 Wells	Sec. 25, 30-18S-30E, R. Q. Silverthorne, Keinath, Kenwood & Lanning, checked for leaks & spills. Lanning #3-I, 25-18-30, salt water running out cellar to pit. Lanning #4-P, 25-18-30, salt water running out cellar to pit water tank was running over to pit. Contacted company man, he will take care of it.
0	P	1	-	3 Wells	Sec. 31-18-30, Union Oil of Calif. Federal lease checked for leaks & spills, OK
0	P	-	2	2 Wells	Sec. 36-18-30, Getty Oil Co. State BJ, State BK Checked for signs, leaks & spills. OK
U	I	1	-	1 Well	J, 23-17-31, Getty Oil Co. Skelly Unit #71 Will move pulling unit on and start repairs.

RECEIVED
JUN 07 1981
OIL CONSERVATION DIVISION
SANTA FE

Mileage	Per Diem	Hours
UIC <u>81</u>	UIC <u>4.50</u>	UIC <u>3</u>
RFA _____	RFA _____	RFA _____
Other <u>81</u>	Other <u>4.50</u>	Other <u>4 1/2</u>

TYPE INSPECTION PERFORMED	INSPECTION CLASSIFICATION	NATURE OF SPECIFIC WELL OR FACILITY INSPECTED
H = Housekeeping	U = Underground Injection Control - Any inspection of or related to injection project, facility, or well or resulting from injection into any well. (See 2nd dry injection and production wells, water flows or pressure tests, surface injection equipment, plugging, etc.)	D = Drilling
P = Plugging	R = Inspections relating to Reclamation Fund Activity	P = Production
C = Plugging Cleanup	O = Other - Inspections not related to injection or The Reclamation Fund	I = Injection
T = Well Test		C = Combined prod. inj. operations
M = Repair/Workover		S = SWU
W = Waterflow		U = Underground Storage
N = Mishap or Spill		G = General Operation
W = Water Contamination		F = Facility or location
O = Other		

OIL CONSERVATION DIVISION

FIELD TRIP SUMMARY REPORT

DECEMBER 1980

ENF - NUMBER OF ENFORCEMENT ACTIONS TAKEN IN THE FIELD

NO. OF INSPECTIONS

NO. OF MEN NO. OF FIELD DAYS MILEAGE HOURS WELLS OTHER ENF

DISTRICT	I	NO. OF MEN	NO. OF FIELD DAYS	MILEAGE	HOURS	WELLS	OTHER	ENF
UIC	4	50	4,113	367	435	37	5	
RFA	0	0	0	0	0	0	0	
OTHER	4	31	4,041	219	171	51	0	
TOTAL	5	73	8,154	586	606	88	5	

DISTRICT	II	NO. OF MEN	NO. OF FIELD DAYS	MILEAGE	HOURS	WELLS	OTHER	ENF
UIC	4	31	1,950	125	110	1	4	
RFA	0	0	0	0	0	0	0	
OTHER	4	54	4,160	318 1/2	168	15	9	
TOTAL	4	61	6,110	443 1/2	278	16	13	

DISTRICT	III	NO. OF MEN	NO. OF FIELD DAYS	MILEAGE	HOURS	WELLS	OTHER	ENF
UIC	1	3	204	11	14	0	0	
RFA	1	2	102	6	4	0	0	
OTHER	2	11	1,151	56	104	7	2	
TOTAL	2	11	1,457	73	122	7	2	

DISTRICT	IV	NO. OF MEN	NO. OF FIELD DAYS	MILEAGE	HOURS	WELLS	OTHER	ENF
UIC	0	0	0	0	0	0	0	
RFA	0	0	0	0	0	0	0	
OTHER	1	6	1,287	70	16	0	0	
DFP DUTY	1	6	0	51	0	0	0	
TOTAL	1	6	1,287	121	16	0	0	

STATE	TOTAL	NO. OF MEN	NO. OF FIELD DAYS	MILEAGE	HOURS	WELLS	OTHER	ENF
UIC	9	84	6,267	503	559	38	9	
RFA	1	2	102	6	4	0	0	
OTHER	11	1102	10,639	663 1/2	459	73	11	
DFP DUTY	1	6	0	51	0	0	0	
TOTAL	12	151	17,008	1223 1/2	1022	111	20	

**NEW MEXICO OIL CONSERVATION DIVISION
CASING--BIWALDREND TEST --SHD OR INJ.**

OPERATOR: _____ Pool _____
 Lease _____ Well No. _____ Unit Letter _____ Sec. _____ T _____ R _____

OBSERVED DATA

Test Date: _____ Injection Pressure Limited to: _____ psi

CASING STRING	Size	Set At	Cemented	Pressure	REMARKS
SURFACE	_____	_____	_____	_____	_____
INTERMEDIATE	_____	_____	_____	_____	_____
PRODUCTION	_____	_____	_____	_____	_____
TUBING	_____	_____	_____	_____	_____

IF WELL IS ON VACUUM:

Shut well in _____ minutes Tubing pressure _____ Casing: Pressure _____
 Vacuum _____
 Static _____

IF WELL IS INJECTING UNDER PRESSURE:

Intermittently _____ Continuously _____
 Est. Hrs. per day running _____

Shut pump down _____ minutes Tubing Pressure _____ Casing Pressure _____

TEST OK _____ RECOMMEND RETEST _____ TEST INDICATES COMMUNICATIONS _____ REVIEWED BY _____

REMARKS: _____

OBSERVED DATA

Test Date: _____ Injection Pressure Limited to: _____ psi

CASING STRING	Size	Set At	Cemented	Pressure	REMARKS
SURFACE	_____	_____	_____	_____	_____
INTERMEDIATE	_____	_____	_____	_____	_____
PRODUCTION	_____	_____	_____	_____	_____
TUBING	_____	_____	_____	_____	_____

IF WELL IS ON VACUUM:

Shut well in _____ minutes Tubing pressure _____ Casing: Pressure _____
 Vacuum _____
 Static _____

IF WELL IS INJECTING UNDER PRESSURE:

Intermittently _____ Continuously _____
 Est. Hrs. per day running _____

Shut pump down _____ minutes Tubing Pressure _____ Casing Pressure _____

TEST OK _____ RECOMMEND RETEST _____ TEST INDICATES COMMUNICATIONS _____ REVIEWED BY _____

REMARKS: _____



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
 AZTEC DISTRICT OFFICE

BRUCE KING
 GOVERNOR

BRADENHEAD & PACKER TEST REPORT FOR INJECTION & SWD WELLS

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

LARRY KEHOE
 SECRETARY

BRADENHEAD TEST

Date of Test _____ Operator _____

Lease Name & Well NO _____ Location U _____ Sec _____ Twp _____ Rng _____

Tbg Inj. Pressure _____ Tbg SI Pressure _____ Csq. Pressure _____

Intermediate Pres _____ Bradenhead Pres _____ Maximum Inj Pressure _____

If Bradenhead has pressure, flow to atmosphere for 30 minutes and record casing pressure at 5 minute intervals.

CASING PRESSURE

BRADENHEAD FLOWED

5 MIN _____

Steady Flow _____

10 MIN _____

Surges _____

15 MIN _____

Down to Nothing _____

20 MIN _____

Nothing _____

25 MIN _____

Gas _____

30 MIN _____

Gas & Water _____

REMARKS: _____

PACKER TEST

If casing has pressure, flow to atmosphere for 30 minutes and record tubing pressure at 5 minute intervals.

TUBING PRESSURE

REMARKS: _____

5 MIN _____

10 MIN _____

15 MIN _____

BY: _____

20 MIN _____

POSITION _____

25 MIN _____

NMOCD _____

30 MIN _____

WITNESS _____

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

(Other instructions on reverse side)

Budget Bureau No. 42-R1423

30-015-21341

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK DRILL [X] DEEPEN [] PLUG BACK []

2. TYPE OF WELL OIL WELL [] GAS WELL [X] OTHER [] SINGLE ZONE [] MULTIPLE ZONE []

3. NAME OF OPERATOR Belco Petroleum Corporation

4. ADDRESS OF OPERATOR 2000 Wilco Building, Midland, Texas 79701

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FSL & 660' FWL, Section 4, T-18-S, R-30-E C. C. At proposed prod. zone SAME

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 2-1/2 mi. South of Loco Hills, New Mexico

7. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 320

8. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 11,700'

9. ELEVATIONS (Show whether DF, RT, GR, etc.) 3555' GL

5. LEASE DESIGNATION AND SERIAL NO. NM 01159

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME FAF - Federal

9. WELL NO. 1

10. FIELD AND POOL, OR WILDCAT Morrow Wildcat

11. SEC., T., R., M., OR R.L. AND SURVEY OR AREA Sec. 4, T-18-S, R-30-E

12. COUNTY OR PARISH Eddy 13. STATE New Mexico

16. NO. OF ACRES IN LEASE 320

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

19. PROPOSED DEPTH 11,700' 20. ROTARY OR CABLE TOOLS Rotary 22. APPROX. DATE WORK WILL START* 8/23/74

PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 17-1/4" hole with 13-3/8" casing, 12-1/4" hole with 9-5/8" casing, and 8-1/2" hole with 5-1/2" casing.

It is proposed to drill straight hole to a TD of 11,700' and test as a Morrow gas well.

Mud Program: 0-350' spud mud, 350-2000' brine water, 2000-8000' fresh water, 8000'-TD KCl water with chemicals and weighting material as needed.

BOP Program: Hydril will be installed on 13-3/8" casing and tested to 2000 psi. Pipe and blind rams will be added to Hydril on 9-5/8" casing and tested to 5000 psi.

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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 venter program, if any.

SIGNED [Signature] TITLE District Engineer DATE August 9, 1974

APPROVED [Signature] SUBJECT TO ATTACHED DEEP WELL CONTROL REQUIREMENTS DATED JUN 22 1973

APPROVED [Signature] H. L. BEEKMANN ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS. NOV 22 1974

*See Instructions On Reverse Side

All distances must be from the meter boundaries of the Section

BELCO PETROLEUM CORPORATION			LEASE		FAF FEDERAL		Well No. 1	
Section	Township	Range	County					
L 4	18 SOUTH	30 EAST	EDDY					
Well Location of well:								
1980 feet from the SOUTH line and			660 feet from the WEST line					
Producing Formation		Prod.		Depth - 320		Area		

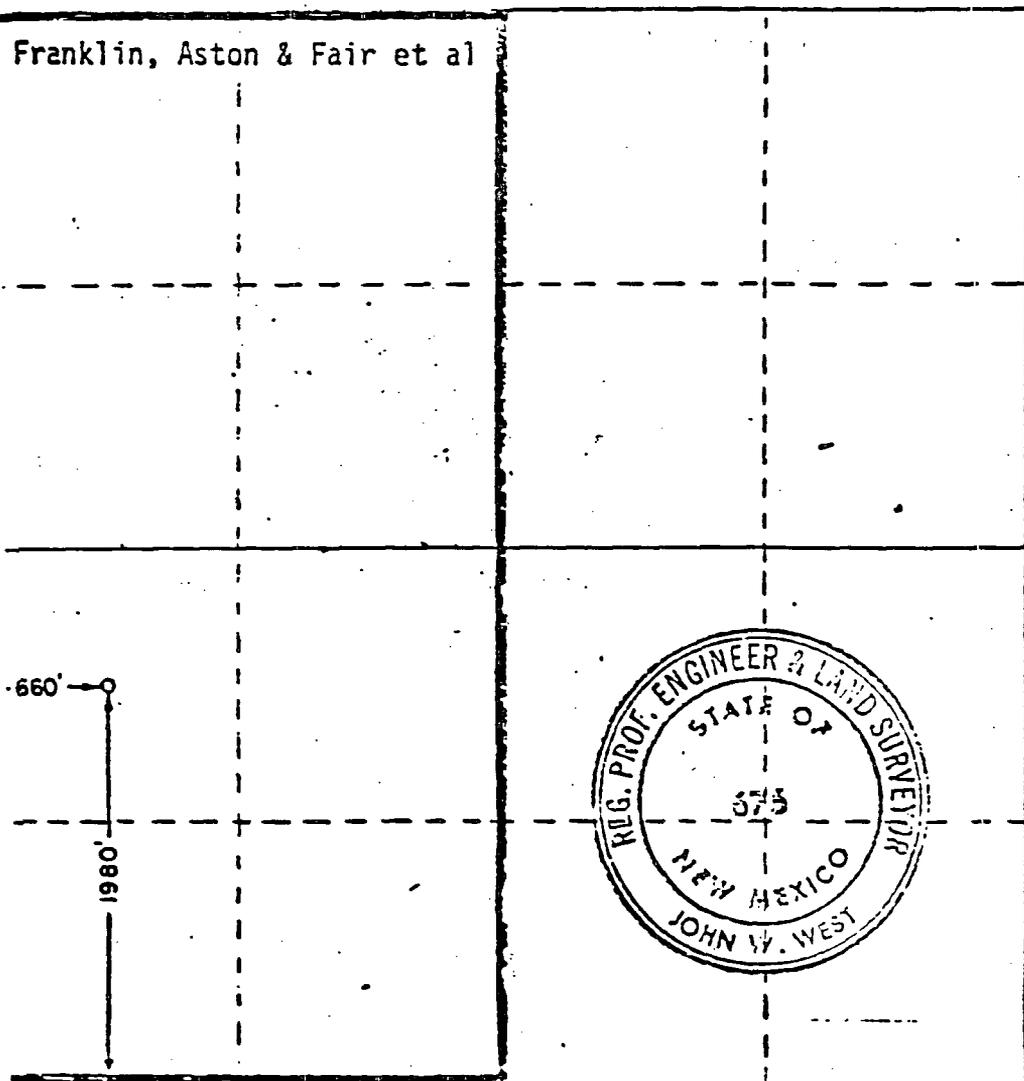
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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 Farmout

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.

Franklin, Aston & Fair et al



CERTIFICATION

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

Allen J. Owings

Name: Allen J. Owings
 Position: District Engineer
 Company: Belco Petroleum Corporation
 Date: August 8, 1974

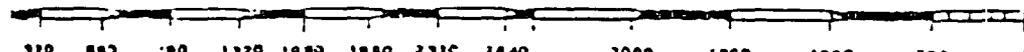
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 AUG 12 1974
 U.S. GEOLOGICAL SURVEY
 ARTESIA, NEW MEXICO

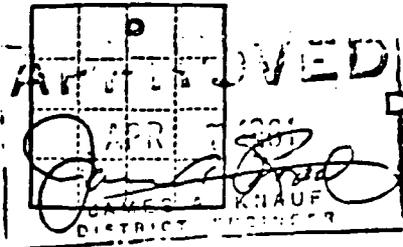
I hereby certify that the well location shown on this plat was obtained from field notes of a survey made by me or under my supervision, and that the same is true to the best of my knowledge and belief.

Date Surveyed: AUGUST 8, 1974

Registered Professional Engineer and/or Land Surveyor

John W. West
 Certificate No. 676





(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Las Cruces

Lease No. 067343

Unit

RECEIVED

APR 10 1961

M. O. C. C.
ARTESIA, OFFICE

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 6, 1961

Well No. 3 is located 660 ft. from 23 ^(N) line and 1990 ft. from 29E ^(E) line of sec. 28

N2 23 12S 29E T19PM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Turkey Track Eddy New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3461 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose to drill with rotary tool to approximately 2100 feet to test the Queen formation. Intend to drill 9" hole and set 7" OD 17# or 20# SH seamless casing at approximately 350 feet, and cement with 50 sax regular cement with 2% gel. Drill 6 1/4" hole/total depth and run 4 1/2" OD 9.6# new ~~seamless~~ casing on oil string and cement with 100 sax regular cement or enough cement to cover all zones of interest. Intend to abide by the rules and regulations of the department.

APR 6 1961

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

I understand that this plan of work must receive approval in writing by the Geological Survey before operations are begun.

Company Yates Drilling Company

Address 309 Carper Building

Artesia, New Mexico

By Hugh W. Gentry

Title Secretary

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
Revised 1/57

RECEIVED

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

APR 10 1961

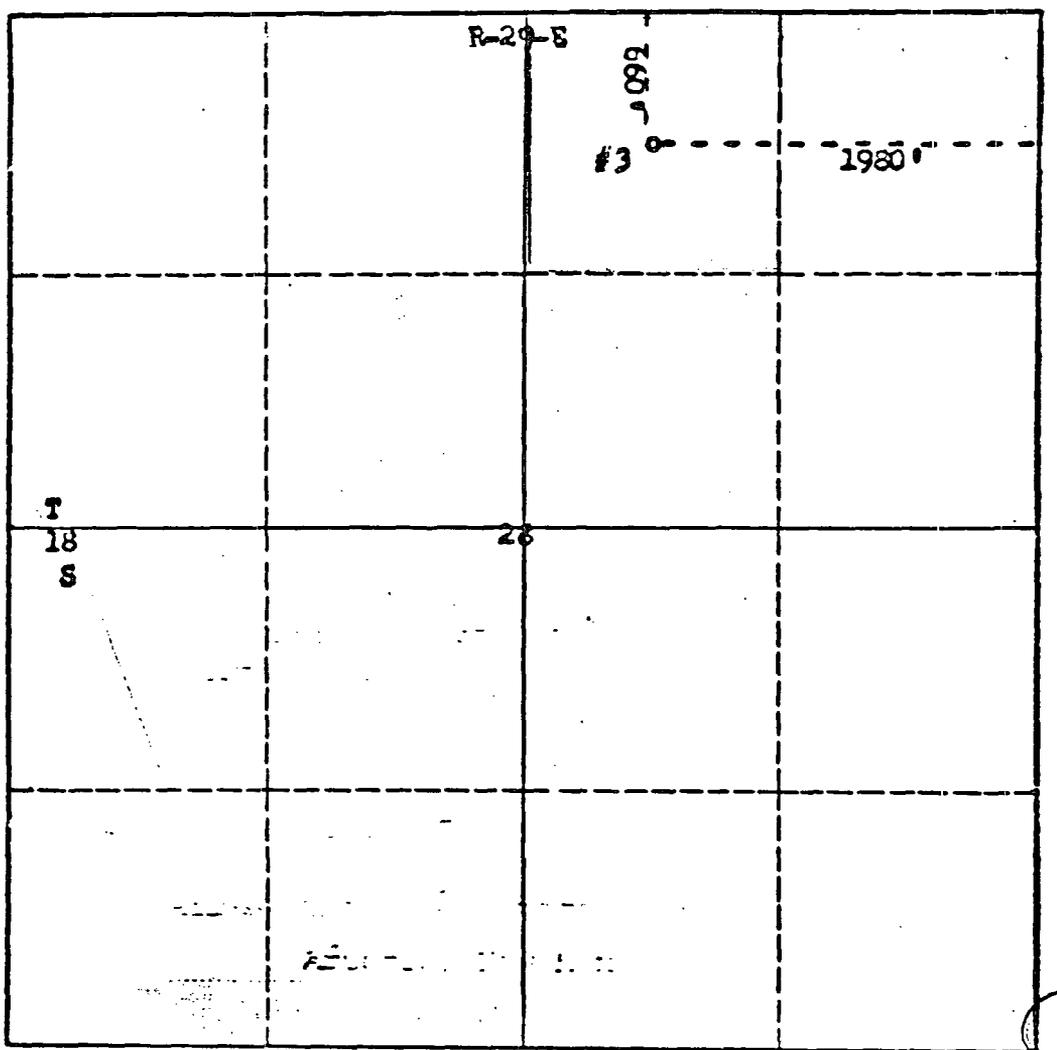
SECTION A

Operator Yates Drilling Co.		Lease Federal DY		Well No. O. C. G.	
Unit Letter B	Section 28	Township T-18-S	Range R-20-E	County Edly	
Actual Footage Location of Well: 660 feet from the North line and 1940 feet from the East line					
Ground Level Elev. 3452	Producing Formation Queen		Pool Turkey Track	Dedicated Acreage: 40 Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one 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 _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description
	RECEIVED
	APR 6 1961

SECTION B



CERTIFICATION

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

Name *Dudley Barry*
 Position **Secretary**
 Company **Yates Drilling Co.**
 Date **April 6, 1961**

I hereby certify that the well location shown on the plat in SECTION B 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 **4-5-61**
 Registered Professional Engineer and/or Land Surveyor
James A. Brown
 Certificate No. _____

Eric Nelson

C-105
Form approved
Budget Bureau No. 42-R355.1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

NM 020498 - Dakota

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Ohio Gov't

9. WELL NO.

2E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec. 15, T28N, R11W

12. 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 _____

1b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. LESVR. Other _____

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 2659; Casper, WY 82602

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

At surface 1,685' FSL & 955' FWL

At top prod. interval reported below 1,610' 880'

At total depth

16. PERMIT NO. 30-045-24334 DATE ISSUED 7-15-80

15. DATE SPUDDED 8-7-80 16. DATE T.D. REACHED 8-25-80 17. DATE COMPL. (Ready to prod.) 5-14-81 18. ELEVATIONS (DF, EKB, ET, GR, ETC.)* 5,625' GL, 5,635' KB 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 6,410' 21. PLUG, BACK T.D., MD & TVD 6,245' 22. IF MULTIPLE COMPL., HOW MANY* - 23. INTERVALS DRILLED BY → 0'-6,410' 24. ROTARY TOOLS - 25. CABLE TOOLS -

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

Graneros - Dakota

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

CDL/CN/GR, DIFL, CBL/GR

27. WAS WELL CORED

NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	AMOUNT PULLED
9-5/8"	36#	562.50'	12-1/4"	NONE
7"	20#	1,958.14'	8-3/4"	NONE
4-1/2"	11.6#, 10.5#	6,405.92'	6-1/4"	NONE

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		NONE			2-3/8"	6,041'	-

31. PERFORATION RECORD (Interval, size and number)

Dakota 6,260'-6,268' (Isolated by HW)

Graneros 6,070'-6,076'

All 2 spf, .34" dia.

JUN 17 1981

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	SWF - Eric Nelson See Reverse Side

33. DATE FIRST PRODUCTION 5-14-81 PRODUCTION METHOD Flowing SANTA FE WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
5-14-81	24	1/2"	→	1	161	2	161,000 SCF/
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
205 psi	365 psi	→	1	161	2	Oil 56.6°, Gas C	

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

Gas committed to El Paso Natural Gas Co.

TEST WITNESSED BY

E. Nelson (MOC)

35. LIST OF ATTACHMENTS

None

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

SIGNED *Paul Cassidy* TITLE District Operations Manager DATE May 19, 1981

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

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 RECORDERIES

38. GEOLOGIC MARKERS

39. FORMATION

40. NAME

41. MEAS. DEPTH

42. TOP

43. TRUB. YBRT. DOPTRIC

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 RECORDERIES

38. GEOLOGIC MARKERS

39. FORMATION

40. NAME

41. MEAS. DEPTH

42. TOP

43. TRUB. YBRT. DOPTRIC

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 23: "Blocks 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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUB. YBRT. DOPTRIC
Lewis Shale	surface			Lewis Shale	surface		
Cliffhouse	casing	3,060'		Cliffhouse	casing		
Menefee	3,060'	3,202'		Menefee	3,060'		
Point Lookout	3,202'	3,904'		Point Lookout	3,202'		
Mancos	3,904'	4,206'		Mancos	3,904'		
Gallup	4,206'	5,117'		Gallup	4,206'		
Basal Niobrara	5,117'	5,399'		Basal Niobrara	5,117'		
Sanastee	5,399'	5,550'		Sanastee	5,399'		
Greenhorn	5,550'	5,854'		Greenhorn	5,550'		
Graneros	5,854'	5,958'		Graneros	5,854'		
Dakota	5,958'	6,081'		Dakota	5,958'		
Morrison	6,081'	6,274'		Morrison	6,081'		
	6,274'	TD			6,274'		

