HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

218 MONTEZUMA

POST OFFICE BOX 2068

SANTA FE, NEW MEXICO 87504-2068

(505) 982-4554

FAX (505) 982-8623

LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.
STUART D. SHANOR
ERIC D. LANPHERE
C. D. MARTIN
PAUL J. KELLY, JR.
ROBERT P. TINNIN, JR.
MARSHALL G. MARTIN
OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
JOHN J. KELLY
NICHOLAS J. NOEDING
T. CALDER EZZELL, JR.
WILLIAM S. BURFORD*
RICHARD E. OLSON
RICHARD R. WILFONG*
THOMAS J. McBRIDE
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY L. FORNACIARI
JEFFREY D. HEWETT
JAMES BRUCE
JERRY F. SHACKELFORD*
JEFFREY W. HELLBERG*
ALBERT L. PITTS
THOMAS M. HNASKO
JOHN C. CHAMBERS*
GARY D. COMPTON*
MICHAEL A. GROSS
THOMAS D. HAINES, JR.
GREGORY J. NIBERT
DAVID T. MARKETTE*
MARK C. DOW

KAREN M. RICHARDSON*
FRED W. SCHWENDIMANN
JAMES M. HUDSON
JEFFREY S. BAIRD*
MACDONNELL GORDON
REBECCA NICHOLS JOHNSON
WILLIAM P. JOHNSON
STANLEY K. KOTOVSKY, JR.
H. R. THOMAS
KARA L. KELLOGG

BETTY H. LITTLE*
RUTH S. MUSGRAVE
ELLEN S. CASEY
S. BARRY PAISNER
MARGARET CARTER LUDEWIG
STEPHEN M. CRAMPTON
MARTIN MEYERS
GREGORY S. WHEELER
ANDREW J. CLOUTIER
JAMES A. GILLESPIE
GARY W. LARSON
STEPHANIE LANDRY
JOHN R. KULSETH, JR.
MARGARET R. McNETT
BRIAN T. CARTWRIGHT*
LISA K. SMITH*
JAMES KENT SCHUSTER*
ROBERT H. BETHEA*
BRADLEY W. HOWARD
CHARLES A. SUTTON*
NORMAN D. EWART
DARREN T. GROCE*
MOLLY McINTOSH

*NOT LICENSED IN NEW MEXICO

CLARENCE E. HINKLE (1901-1985)
W. E. BONDURANT, JR. (1913-1973)
ROY C. SNODGRASS, JR. (1914-1987)

OF COUNSEL
O. M. CALHOUN*
MACK EASLEY
JOE W. WOOD
RICHARD S. MORRIS

WASHINGTON, D.C.
SPECIAL COUNSEL
ALAN J. STATMAN

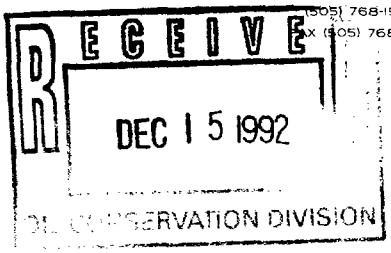
700 UNITED BANK PLAZA
POST OFFICE BOX 10
ROSWELL, NEW MEXICO 88202
(505) 622-6510
FAX (505) 623-9332

2800 CLAYDESTA CENTER
6 DESTA DRIVE
POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691
FAX (915) 683-6518

1700 TEAM BANK BUILDING
POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569
FAX (806) 372-9761

500 MARQUETTE N.W., SUITE 800
POST OFFICE BOX 2043
ALBUQUERQUE, NEW MEXICO 87103
(505) 768-1500
FAX (505) 768-1529

December 15, 1992



VIA HAND DELIVERY

Florene Davidson
Oil Conservation Division
310 Old Santa Fe Trail
Santa Fe, New Mexico 87503

10651

Dear Florene:

Enclosed are an original and two copies of two Applications filed by Pogo Producing Company for directional drilling and unorthodox well locations. Proposed advertisements for each application are also enclosed. Please set both cases for the January 7, 1993 Examiner Hearing.

Very truly yours,

HINKLE, COX, EATON, COFFIELD & HENSLEY

James Bruce

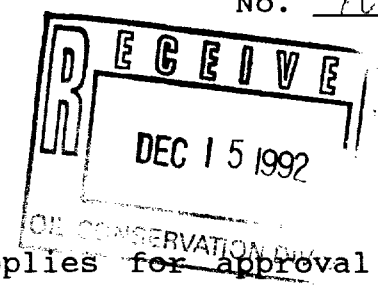
JB:frs
Enclosures

JGB\92788.c

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF POGO PRODUCING COMPANY FOR AN UNORTHODOX OIL WELL LOCATION AND DIRECTIONAL DRILLING, EDDY COUNTY, NEW MEXICO.

No. 10651



APPLICATION

Pogo Producing Company hereby applies for approval of an unorthodox location and for directional drilling of the well described below, and in support thereof states:

1. Applicant is the operator of the NW¼NE¼ of Section 29, Township 23 South, Range 31 East, N.M.P.M., Eddy County, New Mexico, which is federal land located within the Oil-Potash Area.

2. Applicant desires to drill its Mobil Fed. No. 3 well in the NW¼NE¼ of Section 29 to test the Delaware formation. The Bureau of Land Management (BLM) has denied approval of all standard surface locations because, according to the BLM, drilling a vertical well at a standard location will cause an undue waste of potash. The BLM has approved a surface location 480 feet from the North line and 660 from the East line of Section 29, which is the surface location requested herein by applicant. Although applicant prefers not to drill directionally due to engineering, economic, and other reasons, applicant is filing this application due to drainage occurring from an offsetting well.

3. Applicant seeks approval to directionally drill its well vertically to a depth of approximately 2,200 feet subsurface (below the base of the Salado formation), to kick off the well in a west-

southwesterly direction, build angle to approximately 17°, and drill to a depth sufficient to test the Brushy Canyon formation of the Delaware Mountain Group, which is the primary zone of interest (approximately 7,600-7,900 feet subsurface). The bottomhole location in the Brushy Canyon formation will be orthodox, as allowed by Division Rule 111(E), at approximately 1,870 feet FEL and 578 feet FNL. In addition, the wellbore within the entire Brushy Canyon formation will be no closer than 330 feet to the quarter-quarter section line.

4. The wellbore will be unorthodox at certain depths in the Cherry Canyon formation of the Delaware Mountain Group. The wellbore will enter the Cherry Canyon formation (estimated top of formation at 5,044 feet subsurface) at an unorthodox location approximately 1,405 feet FEL and 540 feet FNL, and leave the Cherry Canyon formation (estimated bottom of formation at 6,342 feet subsurface) at an orthodox location approximately 1,789 feet FEL and 571 feet FNL. The wellbore will become standard in the Cherry Canyon formation at a depth of approximately 5,800 feet subsurface.

The proposed well is or may be prospective in the Cherry Canyon formation, and applicant requests approval of the above unorthodox location. A drilling prognosis, indicating the angle and direction of drilling, is attached hereto as Exhibit A.

5. The granting of this application is in the interests of conservation and the prevention of waste.

6. Applicant requests that this matter be set for the January 7, 1993 Examiner hearing.

WHEREFORE, applicant requests that, after hearing, the relief requested above be granted.

DATED: 12/15/92.

Respectfully submitted,

HINKLE, COX, EATON, COFFIELD & HENSLEY

James Bruce

James Bruce
Post Office Box 2068
Santa Fe, New Mexico 87504-2068
(505) 982-4554

Attorneys for Pogo Producing Company

DIRECTIONAL PROPOSAL

Pogo Producing Company

Mobil Federal No. 3
Section 29, T-23-S, R-31-E
Eddy County, New Mexico

EXHIBIT A

Mobil Federal No. 3

Recommended Procedure

1. Stake surface location 480' FNL & 660' FEL, Section 29, T-23-S, R-31-E.

2. Build location - set 40' of 20" conductor and grout cement same.

3. MIRU Rotary tools.

4. Drill 17-1/2" hole to ±550', set 13-3/8" 54.5# casing to T.D., cement casing to surface with lite weight cement + 200 sx Premium tail.

5. Go in hole with 11" bit + 8" X 30' non-magnetic drill collar + (1) 8" steel drill collar + (1) 11" IB stabilizer + (1) 8" steel drill collar + (1) 11" IB stabilizer + (5) 8" steel drill collars + (10) 6-1/2" steel drill collars. Drill 11' hole to KOP of 2200'. Survey with non-magnetic instrument every 250'. POOH for angle building assembly.

6. Go in hole with 11" bit + 8" high speed motor + 1-1/2" bent sub + 8" X 30' non-magnetic drill collar + steel drill collars. Orient tool face properly, deflect well bore toward proper direction. Start angle building run. POOH for angle building assembly.

7. Go in hole with 11" bit + 11" IB stabilizer + 8" X 30' non-magnetic drill collar + (1) 8" steel drill collar + IB stabilizer + (1) 8" steel drill collar + IB stabilizer + (6) 8" steel drill collars + (15) 6-1/2" steel drill collars + (1) roller reamer. Drill with this assembly building approximately 2°/100' of hole in the proper direction until a maximum angle of 17.20° is obtained ± 3062' M.D. POOH for packed hole assembly.

8. GIH with 11" bit + 11" IB stabilizer + 8" non-magnetic drill collar + (1) 8 " steel drill collar + 11" IB stabilizer + (1) 8" steel drill collar + (1) roller reamer. Drill hole maintaining 17.2° deviation to 100' into Basal Anhydrite ± 4050' TVD. POOH to run 8-5/8" casing. Take multi shot survey to base of surface casing.

9. Lay down 8" X 11" tools, run 8-5/8" 32# intermediate casing to TD. Cement string to surface.

10. Drill out casing with 7-7/8" bit + 7-7/8" IB stabilizer + 6-1/2" X 30' non-magnetic drill collar + (1) 6-1/2" steel drill collar + 7-7/8" IB stabilizer + (29) 6-1/2" steel drill collars + (1) roller reamer. Maintian 17.2° deviation and proper direction to 6000 TVD. POOH for angle dropping assembly.

11. Go in hole with 7-7/8" bit + 6-1/2" non-magnetic drill collar + 7-7/8" IB stabilizer + 6-1/2" steel drill collar + 7-7/8" IB stabilizer + (29) 6-1/2" steel drill collar + (1) roller reamer. Drill with this assembly dropping angle to 0° @ 7127' TVD. Make corrective motor run if needed in this section. Drill to TD - 100' into Bone Springs.

12. Upon reaching TD, drop magnetic multi shot survey and tie into intermediate casing of ±4050' TVD.

Anticipated Formation Tops Based on Pure Gold "D" No. 2

Basal Anhydrite	3897'
Lamar Lime	4122'
Bell Canyon	4165'
Cherry Canyon	5044'
Brushy Canyon	6342'
Bone Spring	7956'

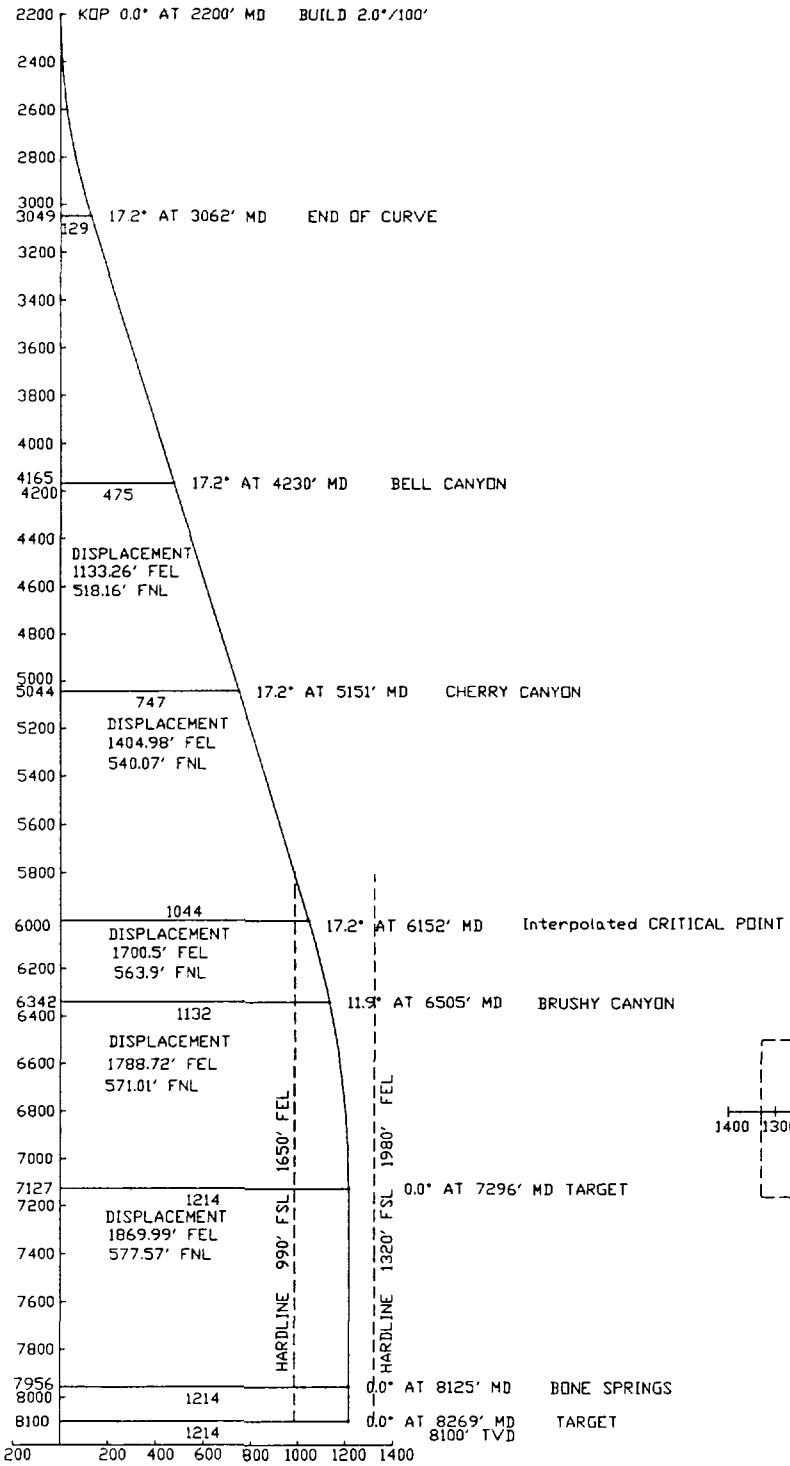
File: POGO_ED4.DAT Mon Oct 19 1992

POGO PRODUCING CO.
MOBIL FEDERAL # 3
SEC. 29, T23S, R31E
EDDY COUNTY, NEW MEXICO

DIG

VERTICAL SECTION

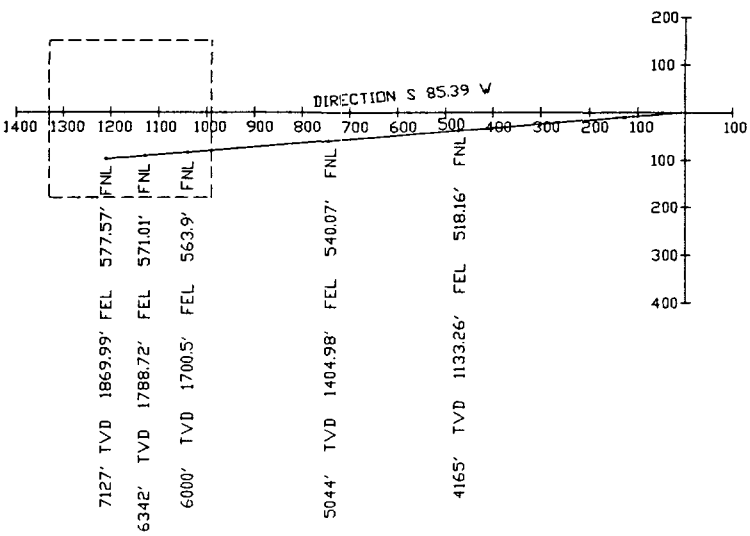
SCALE: 200 FEET/DIVISION
REFERENCE: WELL HEAD



VERTICAL SECTION PLANE: S 85.39 W

HORIZONTAL PLAN

SCALE: 100 FEET/DIVISION
REFERENCE: WELL HEAD



12. Upon reaching TD, drop magnetic multi shot survey and tie into intermediate casing of ±4050' TVD.

Anticipated Formation Tops Based on Pure Gold "D" No. 2

Basal Anhydrite	3897'
Lamar Lime	4122'
Bell Canyon	4165'
Cherry Canyon	5044'
Brushy Canyon	6342'
Bone Spring	7956'

DIRECTIONAL INVESTMENT GUIDANCE

POGO PRODUCING CO.
MOBIL FEDERAL # 3
SEC. 29, T23S, R31E
EDDY COUNTY, NEW MEXICO

Calculated by Minimum Curvature Method
Vert Sect Plane: S 85.39 W

- DIRECTIONAL WELLPLAN -

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	C L O S U R E DISTANCE (FT)	DIRECTION (DEG)	BUILD RATE (DG/100')	DOGLEG SEVERITY (DG/100')
2200.00	0.00	N 0.00 E	0.00	2200.00	0.00 N	0.00 E	0.00	0.00	N 0.00 E	0.00	0.00
2300.00	2.00	S 85.39 W	100.00	2299.98	0.14 S	1.74 W	1.75	1.75	S 85.39 W	2.00	2.00
2400.00	4.00	S 85.39 W	100.00	2399.84	0.56 S	6.96 W	6.98	6.98	S 85.39 W	2.00	2.00
2500.00	6.00	S 85.39 W	100.00	2499.45	1.26 S	15.64 W	15.69	15.69	S 85.39 W	2.00	2.00
2600.00	8.00	S 85.39 W	100.00	2598.70	2.24 S	27.79 W	27.88	27.88	S 85.39 W	2.00	2.00
2700.00	10.00	S 85.39 W	100.00	2697.47	3.50 S	43.38 W	43.52	43.52	S 85.39 W	2.00	2.00
2800.00	12.00	S 85.39 W	100.00	2795.62	5.03 S	62.40 W	62.60	62.60	S 85.39 W	2.00	2.00
2900.00	14.00	S 85.39 W	100.00	2893.06	6.84 S	84.82 W	85.10	85.10	S 85.39 W	2.00	2.00
3000.00	16.00	S 85.39 W	100.00	2989.64	8.92 S	110.62 W	110.98	110.98	S 85.39 W	2.00	2.00
END OF CURVE											
3061.50	17.23	S 85.39 W	61.50	3048.58	10.33 S	128.15 W	128.56	128.56	S 85.39 W	2.00	2.00
Interpolated CRITICAL POINT											
4230.38	17.23	S 85.39 W	1168.88	4165.00	38.16 S	473.26 W	474.80	474.80	S 85.39 W	0.00	0.00
Interpolated CRITICAL POINT											
5150.68	17.23	S 85.39 W	920.30	5044.00	60.07 S	744.98 W	747.40	747.40	S 85.39 W	0.00	0.00
START OF CURVE											
6146.96	17.23	S 85.39 W	996.27	5995.56	83.79 S	1039.13 W	1042.50	1042.50	S 85.39 W	0.00	0.00
Interpolated CRITICAL POINT											
6151.60	17.16	S 85.39 W	4.64	6000.00	83.90 S	1040.50 W	1043.88	1043.88	S 85.39 W	-1.50	1.50
6246.96	15.73	S 85.39 W	95.36	6091.45	86.07 S	1067.41 W	1070.87	1070.87	S 85.39 W	-1.50	1.50
6346.96	14.23	S 85.39 W	100.00	6188.05	88.15 S	1093.17 W	1096.72	1096.72	S 85.39 W	-1.50	1.50
6446.96	12.73	S 85.39 W	100.00	6285.29	90.02 S	1116.40 W	1120.03	1120.03	S 85.39 W	-1.50	1.50
Interpolated CRITICAL POINT											
6504.99	11.86	S 85.39 W	58.04	6342.00	91.01 S	1128.72 W	1132.39	1132.39	S 85.39 W	-1.50	1.50
6546.96	11.23	S 85.39 W	41.96	6383.11	91.69 S	1137.09 W	1140.78	1140.78	S 85.39 W	-1.50	1.50
6646.96	9.73	S 85.39 W	100.00	6481.44	93.15 S	1155.22 W	1158.97	1158.97	S 85.39 W	-1.50	1.50
6746.96	8.23	S 85.39 W	100.00	6580.21	94.40 S	1170.78 W	1174.58	1174.58	S 85.39 W	-1.50	1.50
6846.96	6.73	S 85.39 W	100.00	6679.36	95.45 S	1183.76 W	1187.60	1187.60	S 85.39 W	-1.50	1.50
6946.96	5.23	S 85.39 W	100.00	6778.81	96.29 S	1194.14 W	1198.02	1198.02	S 85.39 W	-1.50	1.50
7046.96	3.73	S 85.39 W	100.00	6878.50	96.92 S	1201.93 W	1205.83	1205.83	S 85.39 W	-1.50	1.50
7146.96	2.23	S 85.39 W	100.00	6978.37	97.33 S	1207.11 W	1211.03	1211.03	S 85.39 W	-1.50	1.50
7246.96	0.73	S 85.39 W	100.00	7078.33	97.54 S	1209.68 W	1213.61	1213.61	S 85.39 W	-1.50	1.50
TARGET											
7295.63	0.00	N 0.00 E	48.67	7127.00	97.57 S	1209.99 W	1213.92	1213.92	S 85.39 W	-1.50	1.50

Survey Ref: Well Head Closure Ref: Well Head Vert Sect Ref: Well Head

DIRECTIONAL INVESTMENT GUIDANCE

POGO PRODUCING CO.
MOBIL FEDERAL # 3
SEC. 29, T23S, R31E
EDDY COUNTY, NEW MEXICO

Calculated by Minimum Curvature Method
Vert Sect Plane: S 85.39 W

- DIRECTIONAL WELLPLAN -

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)	VERTICAL SECTION (FT)	C L O S U R E DISTANCE (FT)	C L O S U R E DIRECTION (DEG)	BUILD RATE (DG/100')	DOGLEG SEVERITY (DG/100')
Interpolated CRITICAL POINT										
8124.63	0.00	N 0.00 E	829.00	7956.00	97.57 S 1209.99 W	1213.92	1213.92	S 85.39 W	0.00	0.00
TARGET										
8268.63	0.00	N 0.00 E	144.00	8100.00	97.57 S 1209.99 W	1213.92	1213.92	S 85.39 W	0.00	0.00

Survey Ref: Well Head Closure Ref: Well Head Vert Sect Ref: Well Head
Mon Oct 19 1992 16:34:06 File: POGO_ED4.DAT

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

RECEIVED
OCT 26 1992
MIDLAND

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
POGO PRODUCING COMPANY	MOBIL FEDERAL	3

Unit Letter	Section	Township	Range	County
A	29	23 SOUTH	31 EAST NMPM	EDDY

Actual Footage Location of Well:
480 feet from the NORTH line and 660 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3345.7'			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

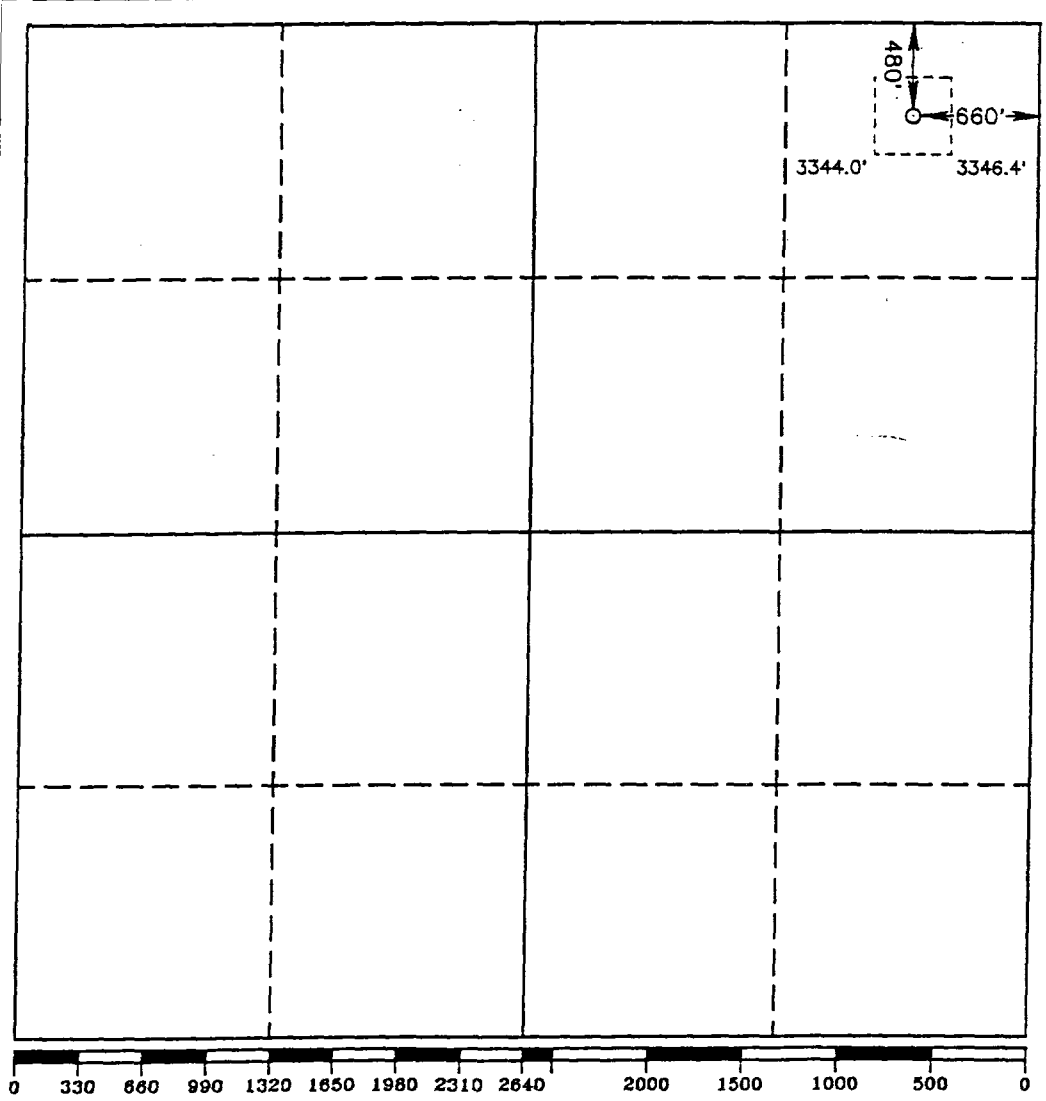
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest 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 of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary. _____

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



OPERATOR CERTIFICATION

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

Signature

Printed Name

Position

Company

Date

SURVEYOR CERTIFICATION

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 supervison, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
OCTOBER 19, 1992

Signature & Seal of Professional Surveyor

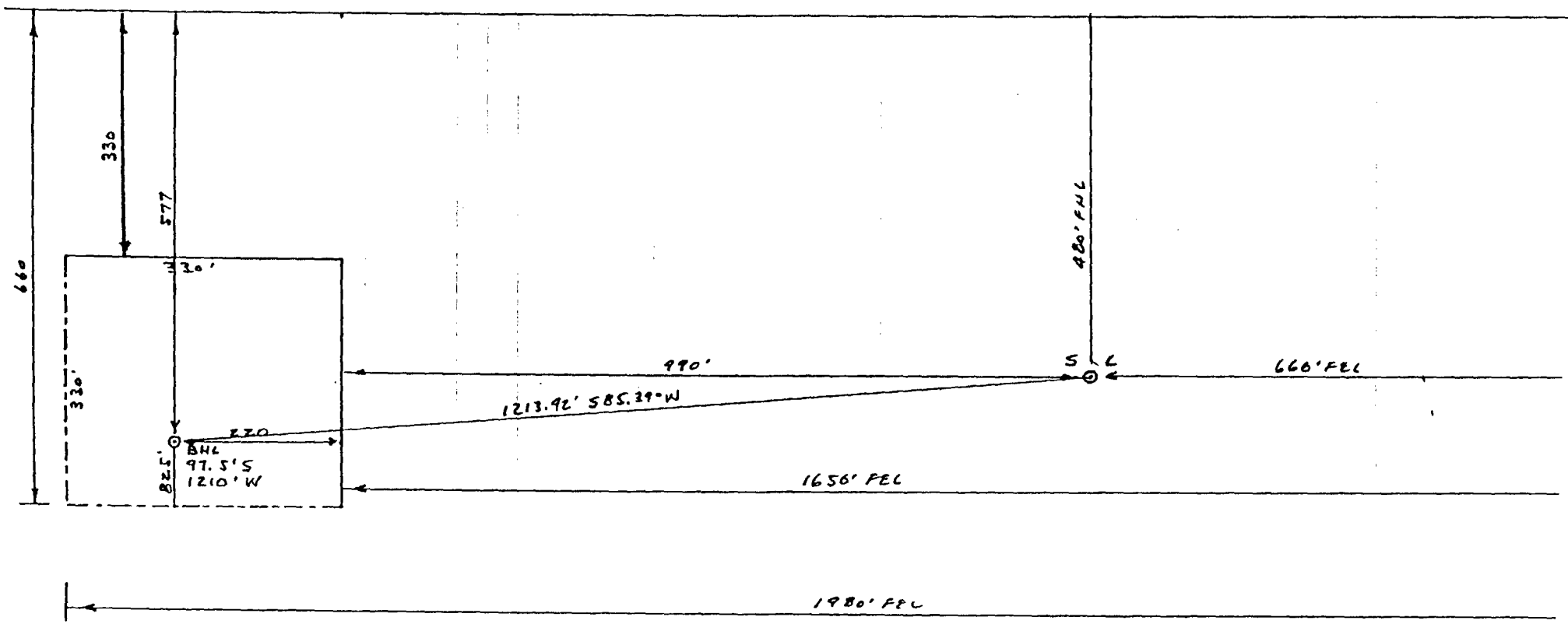
GARY L. JONES
NEW MEXICO
7977
REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate No. JOHN W. WEST. 676
RONALD D. EIDSON. 3239
GARY L. JONES. 7977

92-11-1581

POKO PRODUCING Co
RICHARD WRIGHT

MOSLEY FED No. 3
EDDY Co., N.M.



BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF POGO PRODUCING COMPANY FOR AN UNORTHODOX OIL WELL LOCATION AND DIRECTIONAL DRILLING, EDDY COUNTY, NEW MEXICO.

No. 10651

RECEIVED
DEC 15 1992
OIL CONSERVATION DIVISION

APPLICATION

Pogo Producing Company hereby applies for approval of an unorthodox location and for directional drilling of the well described below, and in support thereof states:

1. Applicant is the operator of the NW¼NE¼ of Section 29, Township 23 South, Range 31 East, N.M.P.M., Eddy County, New Mexico, which is federal land located within the Oil-Potash Area.

2. Applicant desires to drill its Mobil Fed. No. 3 well in the NW¼NE¼ of Section 29 to test the Delaware formation. The Bureau of Land Management (BLM) has denied approval of all standard surface locations because, according to the BLM, drilling a vertical well at a standard location will cause an undue waste of potash. The BLM has approved a surface location 480 feet from the North line and 660 from the East line of Section 29, which is the surface location requested herein by applicant. Although applicant prefers not to drill directionally due to engineering, economic, and other reasons, applicant is filing this application due to drainage occurring from an offsetting well.

3. Applicant seeks approval to directionally drill its well vertically to a depth of approximately 2,200 feet subsurface (below the base of the Salado formation), to kick off the well in a west-

southwesterly direction, build angle to approximately 17°, and drill to a depth sufficient to test the Brushy Canyon formation of the Delaware Mountain Group, which is the primary zone of interest (approximately 7,600-7,900 feet subsurface). The bottomhole location in the Brushy Canyon formation will be orthodox, as allowed by Division Rule 111(E), at approximately 1,870 feet FEL and 578 feet FNL. In addition, the wellbore within the entire Brushy Canyon formation will be no closer than 330 feet to the quarter-quarter section line.

4. The wellbore will be unorthodox at certain depths in the Cherry Canyon formation of the Delaware Mountain Group. The wellbore will enter the Cherry Canyon formation (estimated top of formation at 5,044 feet subsurface) at an unorthodox location approximately 1,405 feet FEL and 540 feet FNL, and leave the Cherry Canyon formation (estimated bottom of formation at 6,342 feet subsurface) at an orthodox location approximately 1,789 feet FEL and 571 feet FNL. The wellbore will become standard in the Cherry Canyon formation at a depth of approximately 5,800 feet subsurface.

The proposed well is or may be prospective in the Cherry Canyon formation, and applicant requests approval of the above unorthodox location. A drilling prognosis, indicating the angle and direction of drilling, is attached hereto as Exhibit A.

5. The granting of this application is in the interests of conservation and the prevention of waste.

6. Applicant requests that this matter be set for the January 7, 1993 Examiner hearing.

WHEREFORE, applicant requests that, after hearing, the relief requested above be granted.

DATED: 12/15/92.

Respectfully submitted,

HINKLE, COX, EATON, COFFIELD & HENSLEY

James Bruce

James Bruce
Post Office Box 2068
Santa Fe, New Mexico 87504-2068
(505) 982-4554

Attorneys for Pogo Producing Company

DIRECTIONAL PROPOSAL

Pogo Producing Company

Mobil Federal No. 3
Section 29, T-23-S, R-31-E
Eddy County, New Mexico

EXHIBIT A

Mobil Federal No. 3

Recommended Procedure

1. Stake surface location 480' FNL & 660' FEL, Section 29, T-23-S, R-31-E.

2. Build location - set 40' of 20" conductor and grout cement same.

3. MIRU Rotary tools.

4. Drill 17-1/2" hole to ±550', set 13-3/8" 54.5# casing to T.D., cement casing to surface with lite weight cement + 200 sx Premium tail.

5. Go in hole with 11" bit + 8" X 30' non-magnetic drill collar + (1) 8" steel drill collar + (1) 11" IB stabilizer + (1) 8" steel drill collar + (1) 11" IB stabilizer + (5) 8" steel drill collars + (10) 6-1/2" steel drill collars. Drill 11' hole to KOP of 2200'. Survey with non-magnetic instrument every 250'. POOH for angle building assembly.

6. Go in hole with 11" bit + 8" high speed motor + 1-1/2" bent sub + 8" X 30' non-magnetic drill collar + steel drill collars. Orient tool face properly, deflect well bore toward proper direction. Start angle building run. POOH for angle building assembly.

7. Go in hole with 11" bit + 11" IB stabilizer + 8" X 30' non-magnetic drill collar + (1) 8" steel drill collar + IB stabilizer + (1) 8" steel drill collar + IB stabilizer + (6) 8" steel drill collars + (15) 6-1/2" steel drill collars + (1) roller reamer. Drill with this assembly building approximately 2°/100' of hole in the proper direction until a maximum angle of 17.20° is obtained ± 3062' M.D. POOH for packed hole assembly.

8. GIH with 11" bit + 11" IB stabilizer + 8" non-magnetic drill collar + (1) 8 " steel drill collar + 11" IB stabilizer + (1) 8" steel drill collar + (1) roller reamer. Drill hole maintaining 17.2° deviation to 100' into Basal Anhydrite ± 4050' TVD. POOH to run 8-5/8" casing. Take multi shot survey to base of surface casing.

9. Lay down 8" X 11" tools, run 8-5/8" 32# intermediate casing to TD. Cement string to surface.

10. Drill out casing with 7-7/8" bit + 7-7/8" IB stabilizer + 6-1/2" X 30' non-magnetic drill collar + (1) 6-1/2" steel drill collar + 7-7/8" IB stabilizer + (29) 6-1/2" steel drill collars + (1) roller reamer. Maintian 17.2° deviation and proper direction to 6000 TVD. POOH for angle dropping assembly.

11. Go in hole with 7-7/8" bit + 6-1/2" non-magnetic drill collar + 7-7/8" IB stabilizer + 6-1/2" steel drill collar + 7-7/8" IB stabilizer + (29) 6-1/2" steel drill collar + (1) roller reamer. Drill with this assembly dropping angle to 0° @ 7127' TVD. Make corrective motor run if needed in this section. Drill to TD - 100' into Bone Springs.

12. Upon reaching TD, drop magnetic multi shot survey and tie into intermediate casing of ±4050' TVD.

Anticipated Formation Tops Based on Pure Gold "D" No. 2

Basal Anhydrite	3897'
Lamar Lime	4122'
Bell Canyon	4165'
Cherry Canyon	5044'
Brushy Canyon	6342'
Bone Spring	7956'

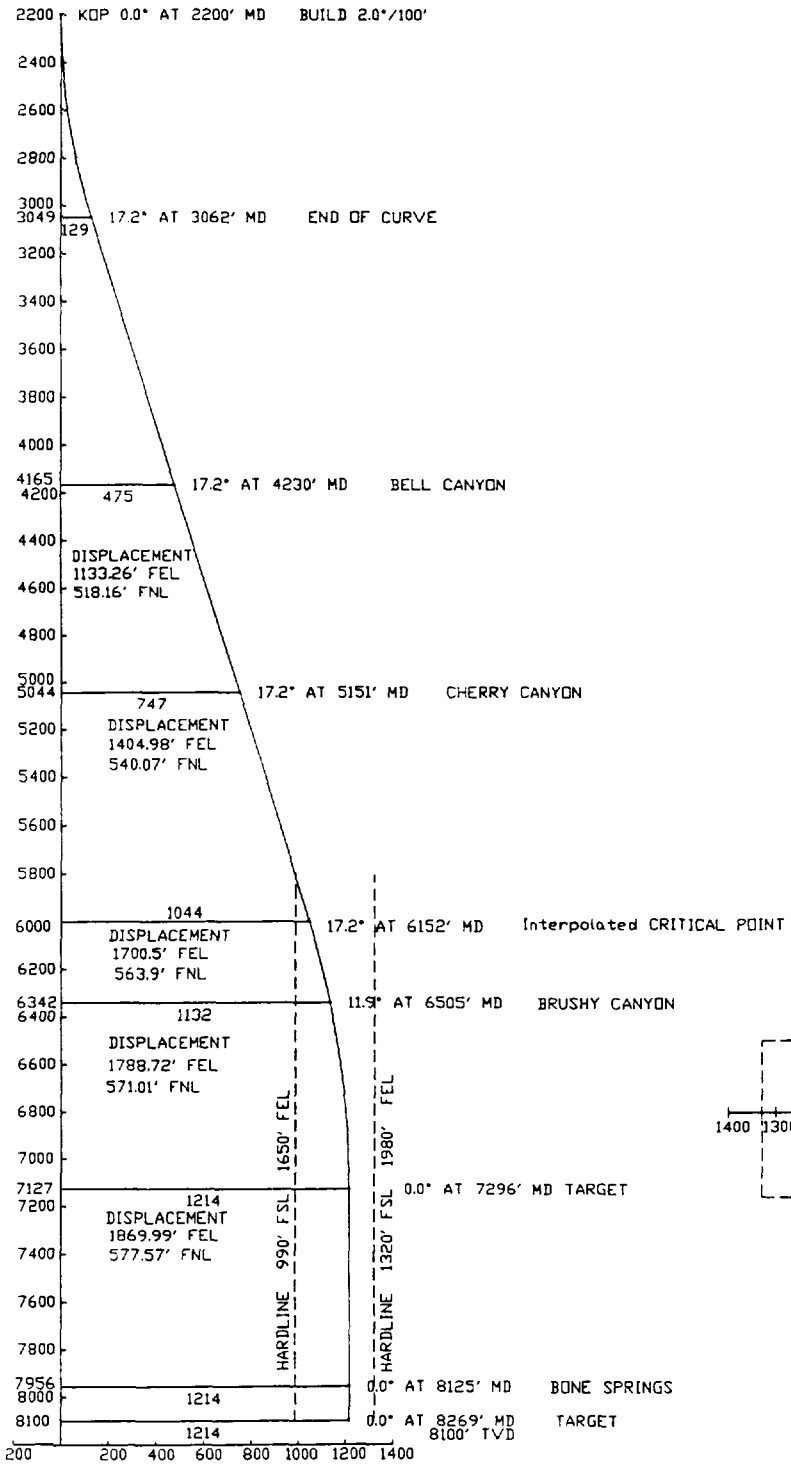
File: POGO_ED4.DAT Mon Oct 19 199

POGO PRODUCING CO.
MOBIL FEDERAL # 3
SEC. 29, T23S, R31E
EDDY COUNTY, NEW MEXICO

DIG

VERTICAL SECTION

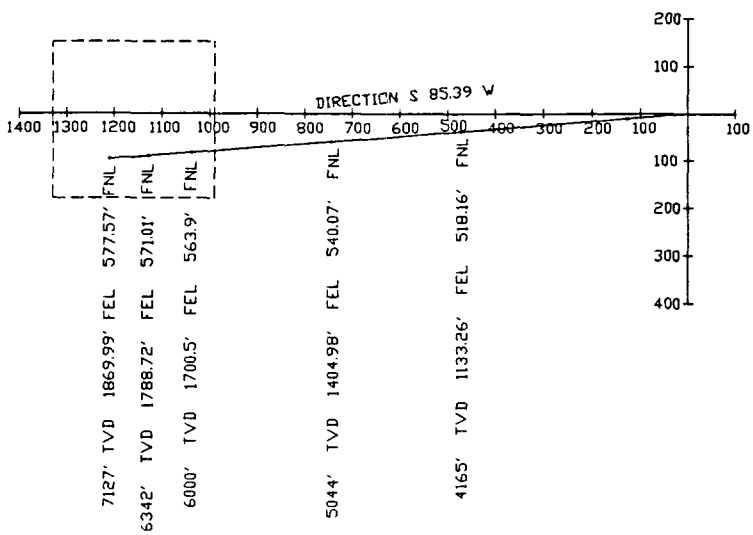
SCALE: 200 FEET/DIVISION
REFERENCE: WELL HEAD



VERTICAL SECTION PLANE: S 85.39 W

HORIZONTAL PLAN

SCALE: 100 FEET/DIVISION
REFERENCE: WELL HEAD



DIRECTIONAL INVESTMENT GUIDANCE

POGO PRODUCING CO.
MOBIL FEDERAL # 3
SEC. 29, T23S, R31E
EDDY COUNTY, NEW MEXICO

Calculated by Minimum Curvature Method
Vert Sect Plane: S 85.39 W

- DIRECTIONAL WELLPLAN -

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)	VERTICAL SECTION (FT)	C L O S U R E DISTANCE (FT)	C L O S U R E DIRECTION (DEG)	BUILD RATE (DG/100')	DOGLEG SEVERITY (DG/100')
2200.00	0.00	N 0.00 E	0.00	2200.00	0.00 N 0.00 E	0.00	0.00	N 0.00 E	0.00	0.00
2300.00	2.00	S 85.39 W	100.00	2299.98	0.14 S 1.74 W	1.75	1.75	S 85.39 W	2.00	2.00
2400.00	4.00	S 85.39 W	100.00	2399.84	0.56 S 6.96 W	6.98	6.98	S 85.39 W	2.00	2.00
2500.00	6.00	S 85.39 W	100.00	2499.45	1.26 S 15.64 W	15.69	15.69	S 85.39 W	2.00	2.00
2600.00	8.00	S 85.39 W	100.00	2598.70	2.24 S 27.79 W	27.88	27.88	S 85.39 W	2.00	2.00
2700.00	10.00	S 85.39 W	100.00	2697.47	3.50 S 43.38 W	43.52	43.52	S 85.39 W	2.00	2.00
2800.00	12.00	S 85.39 W	100.00	2795.62	5.03 S 62.40 W	62.60	62.60	S 85.39 W	2.00	2.00
2900.00	14.00	S 85.39 W	100.00	2893.06	6.84 S 84.82 W	85.10	85.10	S 85.39 W	2.00	2.00
3000.00	16.00	S 85.39 W	100.00	2989.64	8.92 S 110.62 W	110.98	110.98	S 85.39 W	2.00	2.00
END OF CURVE										
3061.50	17.23	S 85.39 W	61.50	3048.58	10.33 S 128.15 W	128.56	128.56	S 85.39 W	2.00	2.00
Interpolated CRITICAL POINT										
4230.38	17.23	S 85.39 W	1168.88	4165.00	38.16 S 473.26 W	474.80	474.80	S 85.39 W	0.00	0.00
Interpolated CRITICAL POINT										
5150.68	17.23	S 85.39 W	920.30	5044.00	60.07 S 744.98 W	747.40	747.40	S 85.39 W	0.00	0.00
START OF CURVE										
6146.96	17.23	S 85.39 W	996.27	5995.56	83.79 S 1039.13 W	1042.50	1042.50	S 85.39 W	0.00	0.00
Interpolated CRITICAL POINT										
6151.60	17.16	S 85.39 W	4.64	6000.00	83.90 S 1040.50 W	1043.88	1043.88	S 85.39 W	-1.50	1.50
6246.96	15.73	S 85.39 W	95.36	6091.45	86.07 S 1067.41 W	1070.87	1070.87	S 85.39 W	-1.50	1.50
6346.96	14.23	S 85.39 W	100.00	6188.05	88.15 S 1093.17 W	1096.72	1096.72	S 85.39 W	-1.50	1.50
6446.96	12.73	S 85.39 W	100.00	6285.29	90.02 S 1116.40 W	1120.03	1120.03	S 85.39 W	-1.50	1.50
Interpolated CRITICAL POINT										
6504.99	11.86	S 85.39 W	58.04	6342.00	91.01 S 1128.72 W	1132.39	1132.39	S 85.39 W	-1.50	1.50
6546.96	11.23	S 85.39 W	41.96	6383.11	91.69 S 1137.09 W	1140.78	1140.78	S 85.39 W	-1.50	1.50
6646.96	9.73	S 85.39 W	100.00	6481.44	93.15 S 1155.22 W	1158.97	1158.97	S 85.39 W	-1.50	1.50
6746.96	8.23	S 85.39 W	100.00	6580.21	94.40 S 1170.78 W	1174.58	1174.58	S 85.39 W	-1.50	1.50
6846.96	6.73	S 85.39 W	100.00	6679.36	95.45 S 1183.76 W	1187.60	1187.60	S 85.39 W	-1.50	1.50
6946.96	5.23	S 85.39 W	100.00	6778.81	96.29 S 1194.14 W	1198.02	1198.02	S 85.39 W	-1.50	1.50
7046.96	3.73	S 85.39 W	100.00	6878.50	96.92 S 1201.93 W	1205.83	1205.83	S 85.39 W	-1.50	1.50
7146.96	2.23	S 85.39 W	100.00	6978.37	97.33 S 1207.11 W	1211.03	1211.03	S 85.39 W	-1.50	1.50
7246.96	0.73	S 85.39 W	100.00	7078.33	97.54 S 1209.68 W	1213.61	1213.61	S 85.39 W	-1.50	1.50
TARGET										
7295.63	0.00	N 0.00 E	48.67	7127.00	97.57 S 1209.99 W	1213.92	1213.92	S 85.39 W	-1.50	1.50

Survey Ref: Well Head Closure Ref: Well Head Vert Sect Ref: Well Head
Mon Oct 19 1992 16:34:06 File: POGO_ED4.DAT

DIRECTIONAL INVESTMENT GUIDANCE

POGO PRODUCING CO.
MOBIL FEDERAL # 3
SEC. 29, T23S, R31E
EDDY COUNTY, NEW MEXICO

Calculated by Minimum Curvature Method
Vert Sect Plane: S 85.39 W

- DIRECTIONAL WELLPLAN -

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	C L O S U R E DISTANCE (FT)	C L O S U R E DIRECTION (DEG)	BUILD RATE (DG/100')	DOGLEG SEVERITY (DG/100')
Interpolated CRITICAL POINT											
8124.63	0.00	N 0.00 E	829.00	7956.00	97.57 S	1209.99 W	1213.92	1213.92	S 85.39 W	0.00	0.00
TARGET											
8268.63	0.00	N 0.00 E	144.00	8100.00	97.57 S	1209.99 W	1213.92	1213.92	S 85.39 W	0.00	0.00

Survey Ref: Well Head Closure Ref: Well Head Vert Sect Ref: Well Head
Mon Oct 19 1992 16:34:06 File: POGO_ED4.DAT

ıbmit to Appropriate
istrict Office
ate Lease - 4 copies
ee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

RECEIVED
OCT 26 1992
MIDLAND

ISTRICT I
O. Box 1980, Hobbs, NM 88240

ISTRICT II
O. Drawer DD, Artesia, NM 88210

ISTRICT III
000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
POGO PRODUCING COMPANY	MOBIL FEDERAL	3

Unit Letter	Section	Township	Range	County
A	29	23 SOUTH	31 EAST NMPM	EDDY

Actual Footage Location of Well:
480 feet from the NORTH line and 660 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3345.7'			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

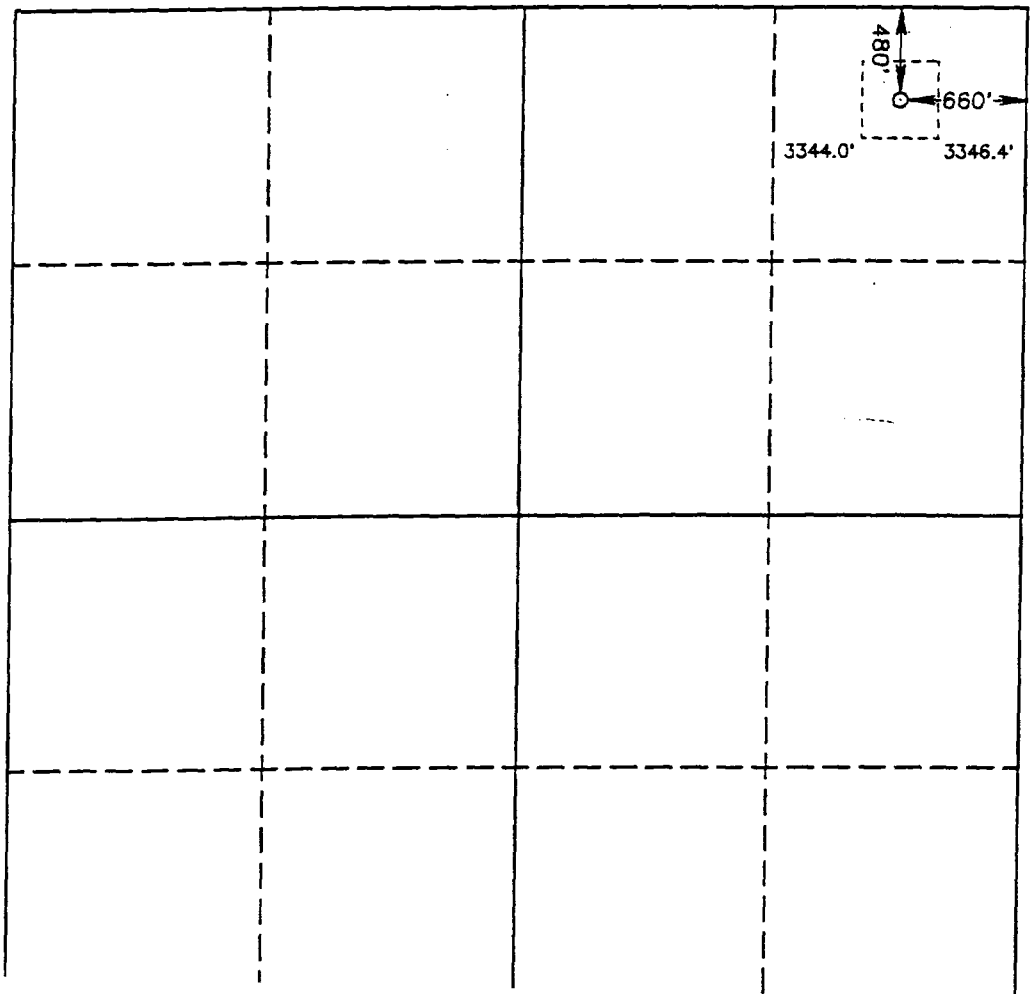
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest 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 of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary. _____

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



OPERATOR CERTIFICATION

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

Signature

Printed Name

Position

Company

Date

SURVEYOR CERTIFICATION

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 supervison, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
OCTOBER 19, 1992

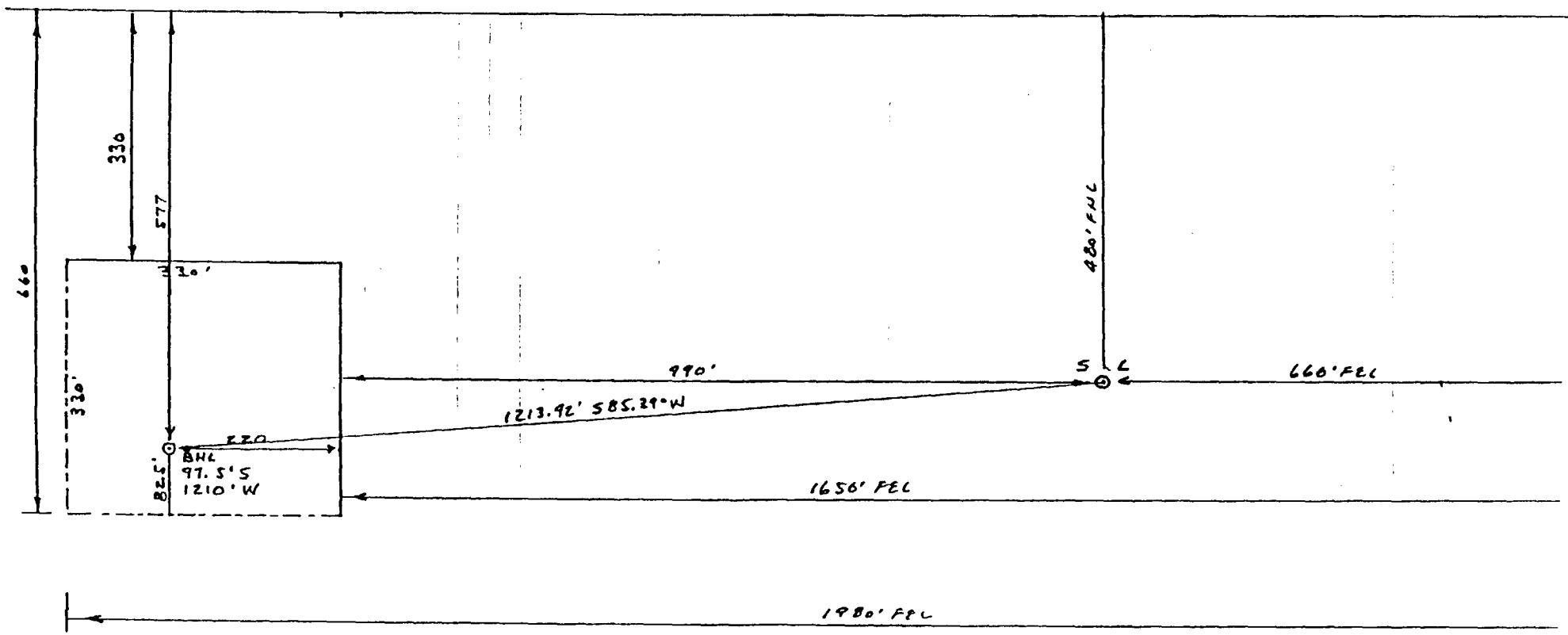
Signature & Seal of Professional Surveyor

GARY L. JONES
NEW MEXICO
7977
REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate No. JOHN W. WEST, 676

POKO PRODUCING Co
RICHARD WRIGHT

MOBIL FED No. 3
EDDY Co., N.M.



BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF POGO PRODUCING COMPANY FOR AN UNORTHODOX OIL WELL LOCATION AND DIRECTIONAL DRILLING, EDDY COUNTY, NEW MEXICO.

No. 10651

RECEIVED
DEC 15 1992

APPLICATION

Pogo Producing Company hereby applies for approval of an unorthodox location and for directional drilling of the well described below, and in support thereof states:

1. Applicant is the operator of the NW¼NE¼ of Section 29, Township 23 South, Range 31 East, N.M.P.M., Eddy County, New Mexico, which is federal land located within the Oil-Potash Area.

2. Applicant desires to drill its Mobil Fed. No. 3 well in the NW¼NE¼ of Section 29 to test the Delaware formation. The Bureau of Land Management (BLM) has denied approval of all standard surface locations because, according to the BLM, drilling a vertical well at a standard location will cause an undue waste of potash. The BLM has approved a surface location 480 feet from the North line and 660 from the East line of Section 29, which is the surface location requested herein by applicant. Although applicant prefers not to drill directionally due to engineering, economic, and other reasons, applicant is filing this application due to drainage occurring from an offsetting well.

3. Applicant seeks approval to directionally drill its well vertically to a depth of approximately 2,200 feet subsurface (below the base of the Salado formation), to kick off the well in a west-

southwesterly direction, build angle to approximately 17°, and drill to a depth sufficient to test the Brushy Canyon formation of the Delaware Mountain Group, which is the primary zone of interest (approximately 7,600-7,900 feet subsurface). The bottomhole location in the Brushy Canyon formation will be orthodox, as allowed by Division Rule 111(E), at approximately 1,870 feet FEL and 578 feet FNL. In addition, the wellbore within the entire Brushy Canyon formation will be no closer than 330 feet to the quarter-quarter section line.

4. The wellbore will be unorthodox at certain depths in the Cherry Canyon formation of the Delaware Mountain Group. The wellbore will enter the Cherry Canyon formation (estimated top of formation at 5,044 feet subsurface) at an unorthodox location approximately 1,405 feet FEL and 540 feet FNL, and leave the Cherry Canyon formation (estimated bottom of formation at 6,342 feet subsurface) at an orthodox location approximately 1,789 feet FEL and 571 feet FNL. The wellbore will become standard in the Cherry Canyon formation at a depth of approximately 5,800 feet subsurface.

The proposed well is or may be prospective in the Cherry Canyon formation, and applicant requests approval of the above unorthodox location. A drilling prognosis, indicating the angle and direction of drilling, is attached hereto as Exhibit A.

5. The granting of this application is in the interests of conservation and the prevention of waste.

6. Applicant requests that this matter be set for the January 7, 1993 Examiner hearing.

WHEREFORE, applicant requests that, after hearing, the relief requested above be granted.

DATED: 12/15/92.

Respectfully submitted,

HINKLE, COX, EATON, COFFIELD & HENSLEY

James Bruce

James Bruce
Post Office Box 2068
Santa Fe, New Mexico 87504-2068
(505) 982-4554

Attorneys for Pogo Producing Company

DIRECTIONAL PROPOSAL

Pogo Producing Company

Mobil Federal No. 3
Section 29, T-23-S, R-31-E
Eddy County, New Mexico

EXHIBIT A

Mobil Federal No. 3

Recommended Procedure

1. Stake surface location 480' FNL & 660' FEL, Section 29, T-23-S, R-31-E.

2. Build location - set 40' of 20" conductor and grout cement same.

3. MIRU Rotary tools.

4. Drill 17-1/2" hole to ±550', set 13-3/8" 54.5# casing to T.D., cement casing to surface with lite weight cement + 200 sx Premium tail.

5. Go in hole with 11" bit + 8" X 30' non-magnetic drill collar + (1) 8" steel drill collar + (1) 11" IB stabilizer + (1) 8" steel drill collar + (1) 11" IB stabilizer + (5) 8" steel drill collars + (10) 6-1/2" steel drill collars. Drill 11' hole to KOP of 2200'. Survey with non-magnetic instrument every 250'. POOH for angle building assembly.

6. Go in hole with 11" bit + 8" high speed motor + 1-1/2" bent sub + 8" X 30' non-magnetic drill collar + steel drill collars. Orient tool face properly, deflect well bore toward proper direction. Start angle building run. POOH for angle building assembly.

7. Go in hole with 11" bit + 11" IB stabilizer + 8" X 30' non-magnetic drill collar + (1) 8" steel drill collar + IB stabilizer + (1) 8" steel drill collar + IB stabilizer + (6) 8" steel drill collars + (15) 6-1/2" steel drill collars + (1) roller reamer. Drill with this assembly building approximately 2°/100' of hole in the proper direction until a maximum angle of 17.20° is obtained ± 3062' M.D. POOH for packed hole assembly.

8. GIH with 11" bit + 11" IB stabilizer + 8" non-magnetic drill collar + (1) 8 " steel drill collar + 11" IB stabilizer + (1) 8" steel drill collar + (1) roller reamer. Drill hole maintaining 17.2° deviation to 100' into Basal Anhydrite ± 4050' TVD. POOH to run 8-5/8" casing. Take multi shot survey to base of surface casing.

9. Lay down 8" X 11" tools, run 8-5/8" 32# intermediate casing to TD. Cement string to surface.

10. Drill out casing with 7-7/8" bit + 7-7/8" IB stabilizer + 6-1/2" X 30' non-magnetic drill collar + (1) 6-1/2" steel drill collar + 7-7/8" IB stabilizer + (29) 6-1/2" steel drill collars + (1) roller reamer. Maintian 17.2° deviation and proper direction to 6000 TVD. POOH for angle dropping assembly.

11. Go in hole with 7-7/8" bit + 6-1/2" non-magnetic drill collar + 7-7/8" IB stabilizer + 6-1/2" steel drill collar + 7-7/8" IB stabilizer + (29) 6-1/2" steel drill collar + (1) roller reamer. Drill with this assembly dropping angle to 0° @ 7127' TVD. Make corrective motor run if needed in this section. Drill to TD - 100' into Bone Springs.

12. Upon reaching TD, drop magnetic multi shot survey and tie into intermediate casing of ±4050' TVD.

Anticipated Formation Tops Based on Pure Gold "D" No. 2

Basal Anhydrite	3897'
Lamar Lime	4122'
Bell Canyon	4165'
Cherry Canyon	5044'
Brushy Canyon	6342'
Bone Spring	7956'

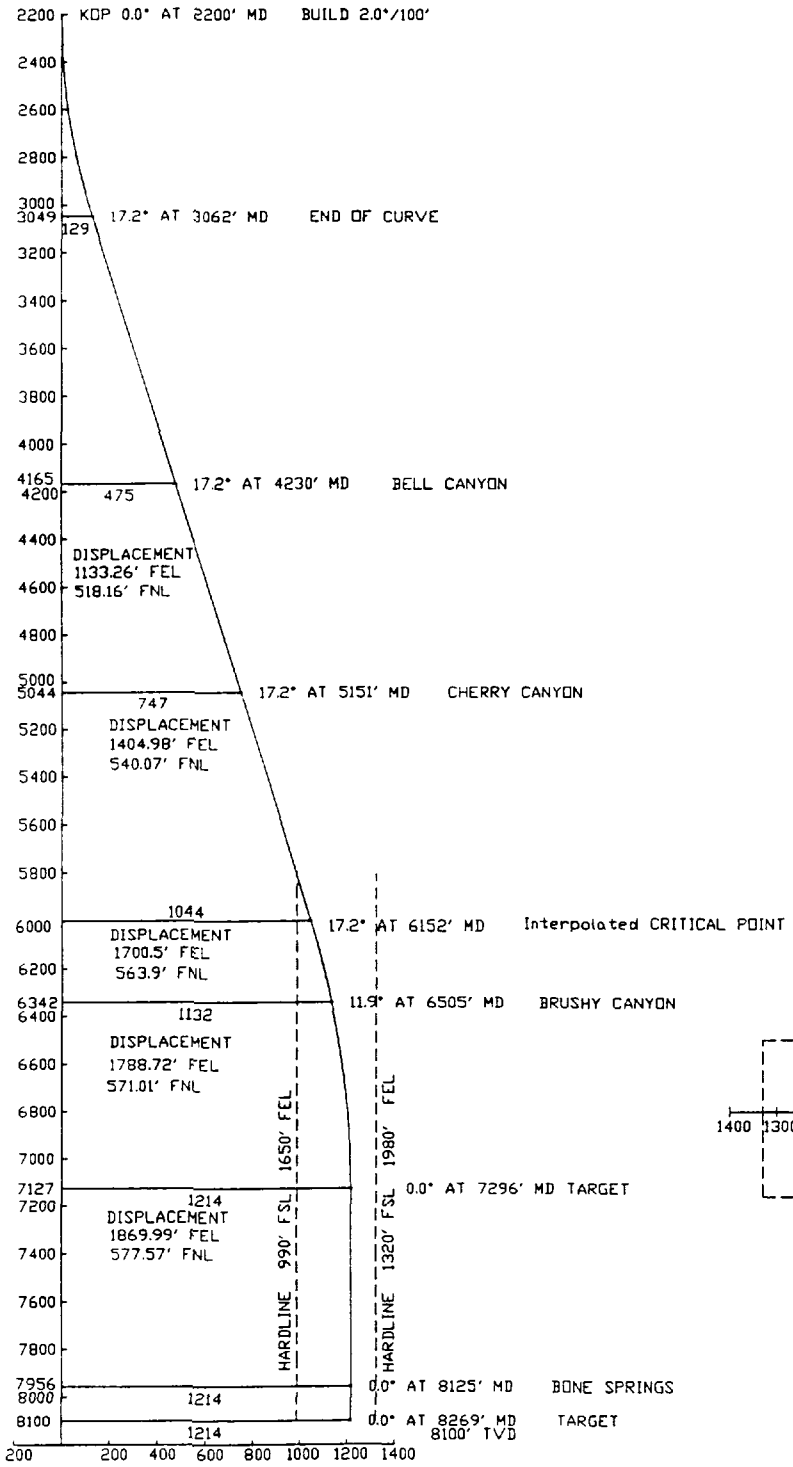
File: POGO_ED4.DAT Mon Oct 19 1992

POGO PRODUCING CO.
MOBIL FEDERAL # 3
SEC. 29, T23S, R31E
EDDY COUNTY, NEW MEXICO

DIG

VERTICAL SECTION

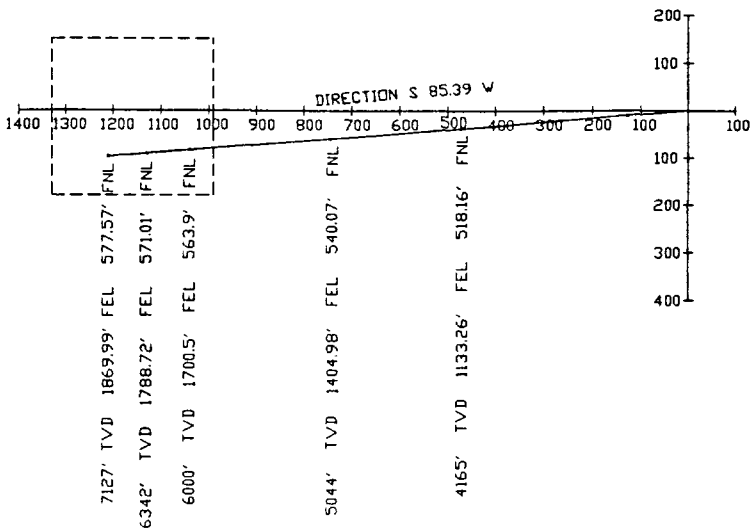
SCALE: 200 FEET/DIVISION
REFERENCE: WELL HEAD



VERTICAL SECTION PLANE: S 85.39 W

HORIZONTAL PLAN

SCALE: 100 FEET/DIVISION
REFERENCE: WELL HEAD



DIRECTIONAL INVESTMENT GUIDANCE

POGO PRODUCING CO.
MOBIL FEDERAL # 3
SEC. 29, T23S, R31E
EDDY COUNTY, NEW MEXICO

Calculated by Minimum Curvature Method
Vert Sect Plane: S 85.39 W

- DIRECTIONAL WELLPLAN -

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)	VERTICAL SECTION (FT)	C L O S U R E DISTANCE (FT)	C L O S U R E DIRECTION (DEG)	BUILD RATE (DG/100')	DOGLEG SEVERITY (DG/100')
2200.00	0.00	N 0.00 E	0.00	2200.00	0.00 N 0.00 E	0.00	0.00	N 0.00 E	0.00	0.00
2300.00	2.00	S 85.39 W	100.00	2299.98	0.14 S 1.74 W	1.75	1.75	S 85.39 W	2.00	2.00
2400.00	4.00	S 85.39 W	100.00	2399.84	0.56 S 6.96 W	6.98	6.98	S 85.39 W	2.00	2.00
2500.00	6.00	S 85.39 W	100.00	2499.45	1.26 S 15.64 W	15.69	15.69	S 85.39 W	2.00	2.00
2600.00	8.00	S 85.39 W	100.00	2598.70	2.24 S 27.79 W	27.88	27.88	S 85.39 W	2.00	2.00
2700.00	10.00	S 85.39 W	100.00	2697.47	3.50 S 43.38 W	43.52	43.52	S 85.39 W	2.00	2.00
2800.00	12.00	S 85.39 W	100.00	2795.62	5.03 S 62.40 W	62.60	62.60	S 85.39 W	2.00	2.00
2900.00	14.00	S 85.39 W	100.00	2893.06	6.84 S 84.82 W	85.10	85.10	S 85.39 W	2.00	2.00
3000.00	16.00	S 85.39 W	100.00	2989.64	8.92 S 110.62 W	110.98	110.98	S 85.39 W	2.00	2.00
END OF CURVE										
3061.50	17.23	S 85.39 W	61.50	3048.58	10.33 S 128.15 W	128.56	128.56	S 85.39 W	2.00	2.00
Interpolated CRITICAL POINT										
4230.38	17.23	S 85.39 W	1168.88	4165.00	38.16 S 473.26 W	474.80	474.80	S 85.39 W	0.00	0.00
Interpolated CRITICAL POINT										
5150.68	17.23	S 85.39 W	920.30	5044.00	60.07 S 744.98 W	747.40	747.40	S 85.39 W	0.00	0.00
START OF CURVE										
6146.96	17.23	S 85.39 W	996.27	5995.56	83.79 S 1039.13 W	1042.50	1042.50	S 85.39 W	0.00	0.00
Interpolated CRITICAL POINT										
6151.60	17.16	S 85.39 W	4.64	6000.00	83.90 S 1040.50 W	1043.88	1043.88	S 85.39 W	-1.50	1.50
6246.96	15.73	S 85.39 W	95.36	6091.45	86.07 S 1067.41 W	1070.87	1070.87	S 85.39 W	-1.50	1.50
6346.96	14.23	S 85.39 W	100.00	6188.05	88.15 S 1093.17 W	1096.72	1096.72	S 85.39 W	-1.50	1.50
6446.96	12.73	S 85.39 W	100.00	6285.29	90.02 S 1116.40 W	1120.03	1120.03	S 85.39 W	-1.50	1.50
Interpolated CRITICAL POINT										
6504.99	11.86	S 85.39 W	58.04	6342.00	91.01 S 1128.72 W	1132.39	1132.39	S 85.39 W	-1.50	1.50
6546.96	11.23	S 85.39 W	41.96	6383.11	91.69 S 1137.09 W	1140.78	1140.78	S 85.39 W	-1.50	1.50
6646.96	9.73	S 85.39 W	100.00	6481.44	93.15 S 1155.22 W	1158.97	1158.97	S 85.39 W	-1.50	1.50
6746.96	8.23	S 85.39 W	100.00	6580.21	94.40 S 1170.78 W	1174.58	1174.58	S 85.39 W	-1.50	1.50
6846.96	6.73	S 85.39 W	100.00	6679.36	95.45 S 1183.76 W	1187.60	1187.60	S 85.39 W	-1.50	1.50
6946.96	5.23	S 85.39 W	100.00	6778.81	96.29 S 1194.14 W	1198.02	1198.02	S 85.39 W	-1.50	1.50
7046.96	3.73	S 85.39 W	100.00	6878.50	96.92 S 1201.93 W	1205.83	1205.83	S 85.39 W	-1.50	1.50
7146.96	2.23	S 85.39 W	100.00	6978.37	97.33 S 1207.11 W	1211.03	1211.03	S 85.39 W	-1.50	1.50
7246.96	0.73	S 85.39 W	100.00	7078.33	97.54 S 1209.68 W	1213.61	1213.61	S 85.39 W	-1.50	1.50
TARGET										
7295.63	0.00	N 0.00 E	48.67	7127.00	97.57 S 1209.99 W	1213.92	1213.92	S 85.39 W	-1.50	1.50

Survey Ref: Well Head Closure Ref: Well Head Vert Sect Ref: Well Head

DIRECTIONAL INVESTMENT GUIDANCE

POGO PRODUCING CO.
MOBIL FEDERAL # 3
SEC. 29, T23S, R31E
EDDY COUNTY, NEW MEXICO

Calculated by Minimum Curvature Method
Vert Sect Plane: S 85.39 W

- DIRECTIONAL WELLPLAN -

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	C L O S U R E DISTANCE (FT)	C L O S U R E DIRECTION (DEG)	BUILD RATE (DG/100')	DOGLEG SEVERITY (DG/100')
Interpolated CRITICAL POINT											
8124.63	0.00	N 0.00 E	829.00	7956.00	97.57 S	1209.99 W	1213.92	1213.92	S 85.39 W	0.00	0.00
TARGET											
8268.63	0.00	N 0.00 E	144.00	8100.00	97.57 S	1209.99 W	1213.92	1213.92	S 85.39 W	0.00	0.00

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

RECEIVED
OCT 26 1992
MIDLAND

Form C-102
Revised 1-1-89

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
POGO PRODUCING COMPANY	MOBIL FEDERAL	3

Unit Letter	Section	Township	Range	County
A	29	23 SOUTH	31 EAST NMPM	EDDY

Actual Footage Location of Well:
480 feet from the NORTH line and 660 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3345.7'			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

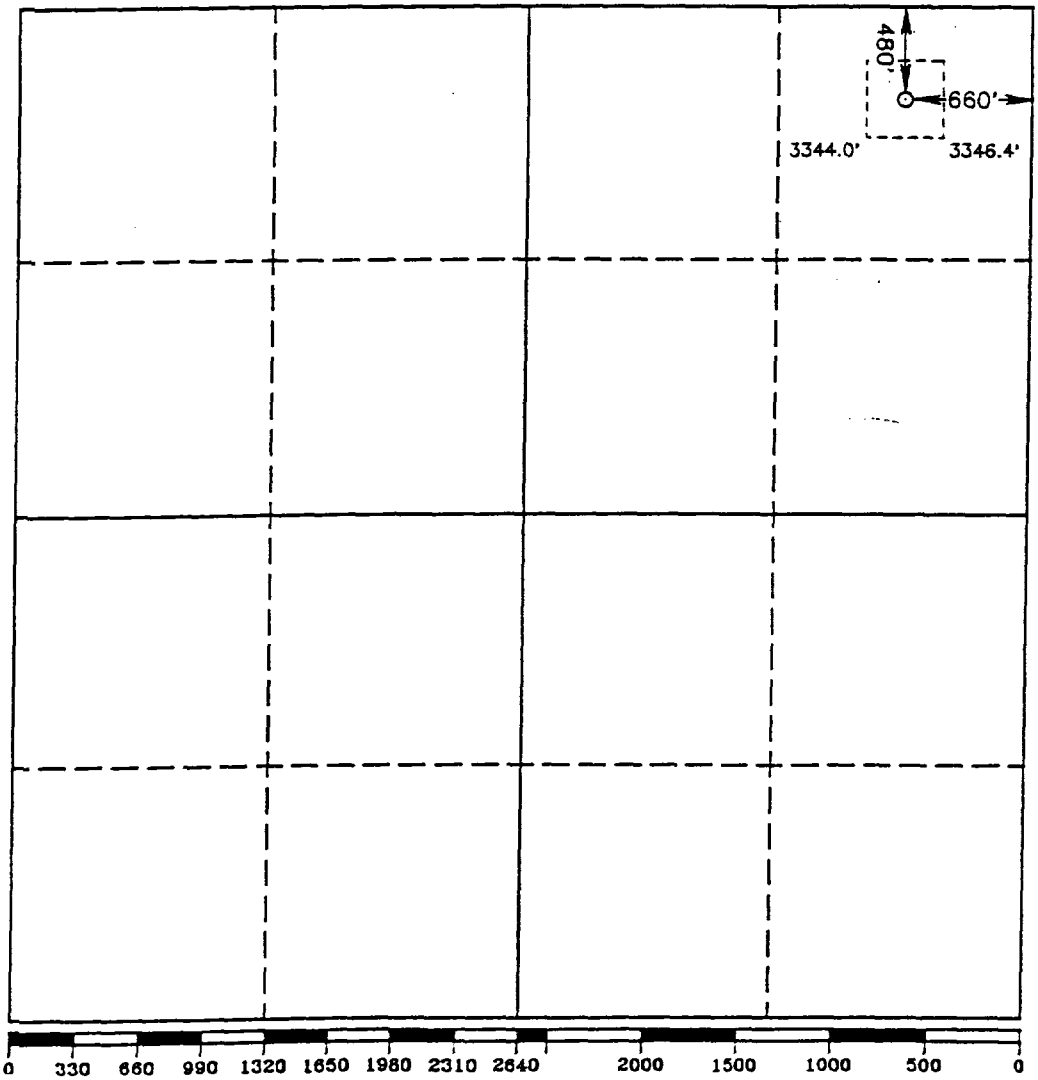
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest 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 of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary. _____

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



OPERATOR CERTIFICATION

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

Signature

Printed Name

Position

Company

Date

SURVEYOR CERTIFICATION

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 supervison, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
OCTOBER 19, 1992

Signature & Seal of Professional Surveyor

GARY L. JONES
NEW MEXICO
7977
REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate No. JOHN W. WEST. 676
RONALD J. EIDSON. 3239
GARY L. JONES. 7977

92-11-1581

POKO PRODUCING CO
RICHARD WRIGHT

MOBIL FED No. 3
EDDY Co., N.M.