UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

OMB NO. 1004-0136
Expires: February 28, 1995

OCD-HOBBS

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

b. TYPE OF WELL: OIL WELL [XX] GAS WELL [ ] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
POGO PRODUCING COMPANY (RICHARD WRIGHT 432-685-8140

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 (432-685-8100)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
660' FSL & 330' FEL SECTION 8 T24S-R32E LEA CO. NM Unit P
At proposed prod. zone
660' FSL & 1650' FWL SECTION 8 T24S-R32E LEA CO. NM

5. LEASE DESIGNATION AND SERIAL NO.
NM-90812 G-06-16

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO. (35733)
MEAS VERDE"8" FEDERAL # 2

9. API WELL NO.
30-025-37914

10. FIELD AND POOL, OR WILDCAT (96229)
MESA VERDE-BONE SPRING

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SECTION 8 T24S-R32E

12. COUNTY OR PARISH: LEA CO. 13. STATE: NEW MEXICO

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 35 miles Southeast of Carlsbad New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
330'	320	120
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
1200'	MD-12,695,TVD-9600'	ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3615' GR.

CARLSBAD CONTROLLED WATER BASIN

22. APPROX. DATE WORK WILL START*
WHEN APPROVED

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	Conductor 20"	NA	40'	Cement to surface W/Redi-mix.
17½"	H-40 13 3/8"	48#	850'	850 Sx. circulate to surface
12¼"	J-55 9 5/8"	36#	4500'	1400 Sx. " " "
8½" & 7 7/8"	P-110 5½"	17#	MD-12695'	2000 Sx. Est TOC 3000'

1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.

Witness Surface Casing

2. Drill 17½" hole to 850'. Run and set 850' of 13 3/8" H-40 ST&C casing cement with 850 Sx. of Class "C" cement + ¼# Flocele/Sx. + 2% CaCl, circulate cement to surface.

3. Drill 12¼" hole to 4550' or into the Basal Anhydrite. Run and set 4550±" of 9 5/8" 36# J-55 ST&C casing. Cement with 1400 Sx. or amount determined by Fluid Caliper. Cement with Class "C" cement + additives, circulate cement to surface. Rig up 3000 PSI B.O.P. on 9 5/8" casing and test with rig pumps.

4. Drill 8½" hole to 9900', run Gyro, pull out of hole and run open hole logs. Set cement plug back to Kick Off Point at 9125'±. Drill curve with 8½" bit, then drill lateral with 7 7/8" bit, to a MD of 12,695'±. Run 12,695' of 5½" 17# P-110 as follows.3695' of 5½" 17# P-110 BTC, 9000' of 5½" 17# P-110 LT&C. Cement with 2000 Sx. of Class "H" and Class "C" cement + additives. Volumes to be determined from caliper logs, estimate top of cement 3000' From surface.

SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED Joel Janica TITLE Agent DATE 04/08/06

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /s/ James Stovall TITLE ACTING FIELD MANAGER DATE MAY 27 2006

*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

Form C-102
Revised March 17, 1999

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-37914	96229	MESA VERDE-BONE SPRING

Property Code	Property Name	Well Number
35733	MESA VERDE "8" FEDERAL	2

OGRID No.	Operator Name	Elevation
017891	POGO PRODUCING COMPANY	3615'

Surface Location

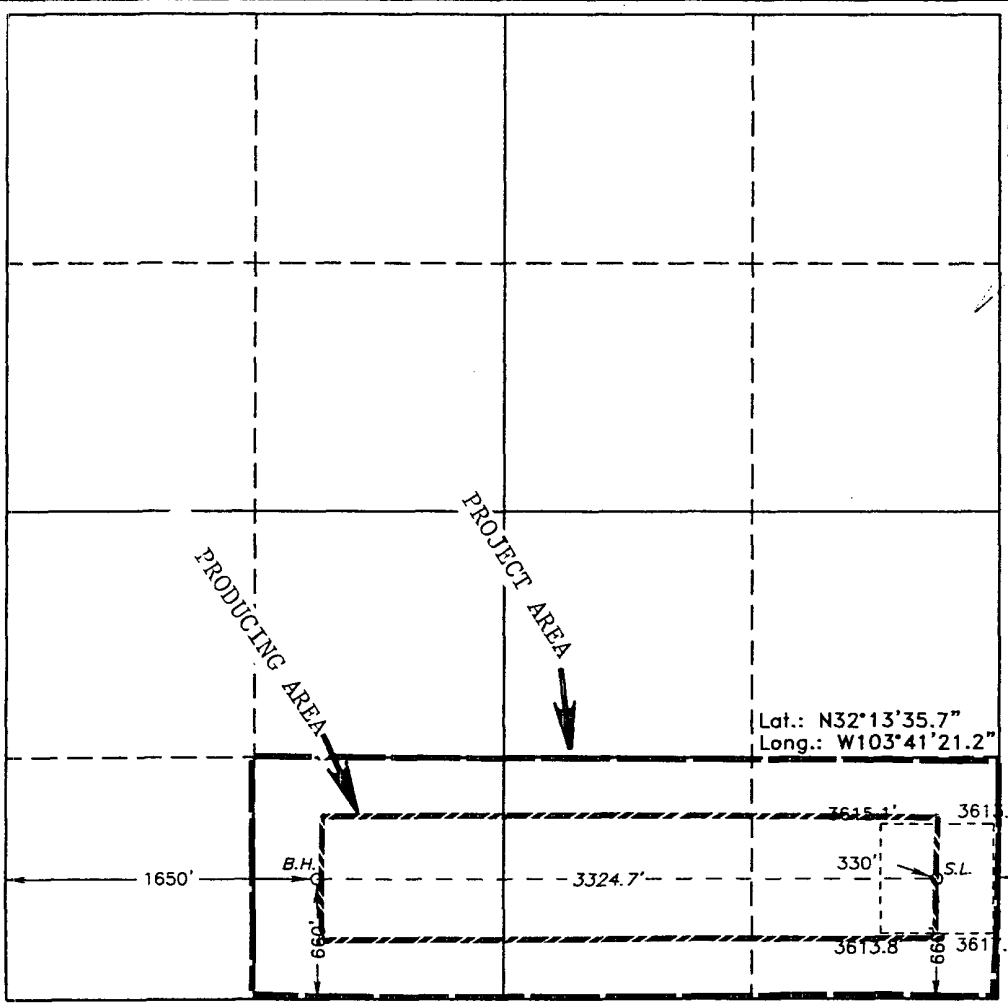
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	24 S	32 E		660	SOUTH	330	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	8	24 S	32 E		660	SOUTH	1650	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
120			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT 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.

Joe T. Janica
Signature

Joe T. Janica
Printed Name

Agent
Title

04/08/06
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 belief.

MARCH 1, 2006
Date Surveyed

Signature & Seal of Professional Surveyor

W.O. No. 6326

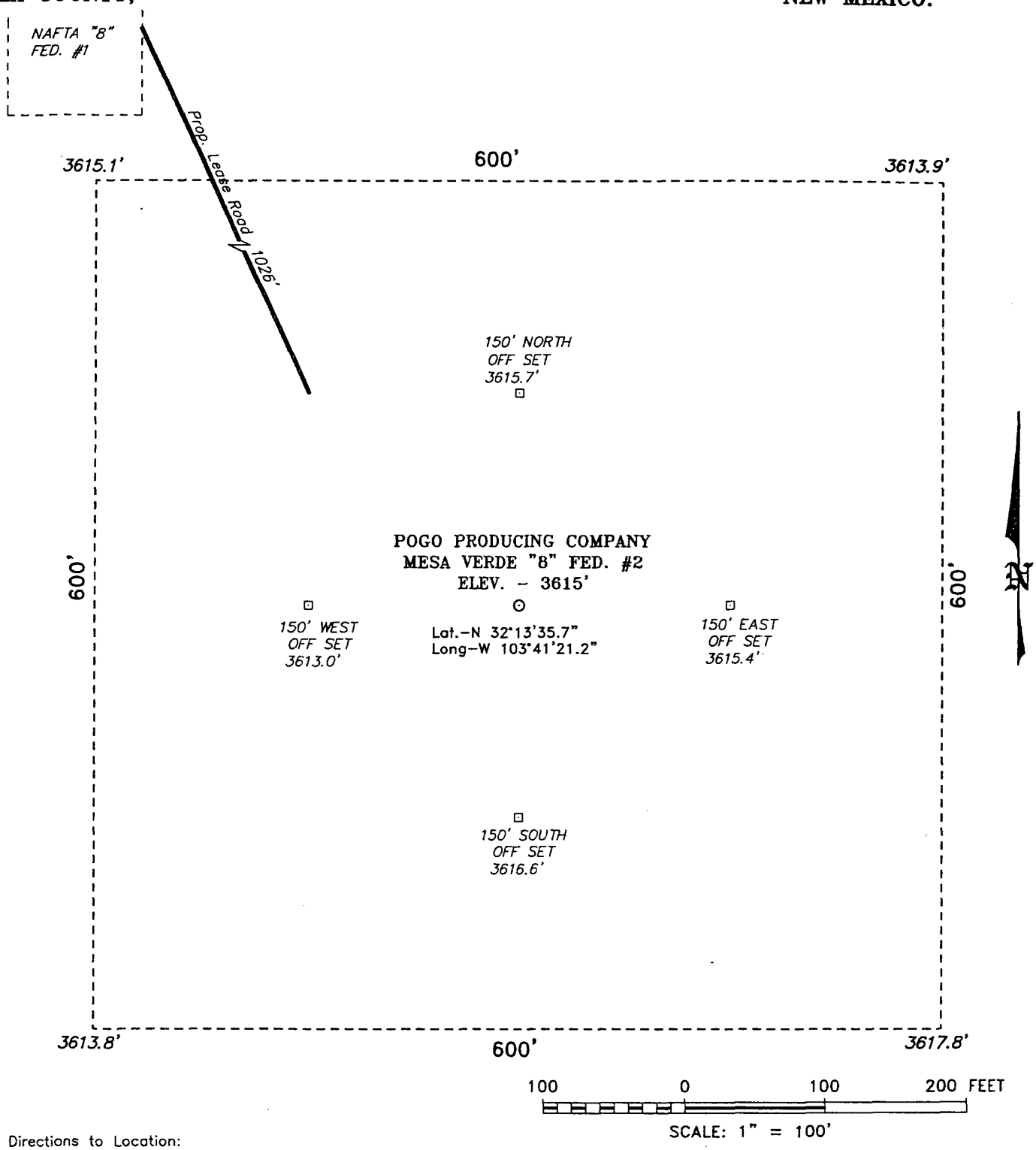
Certificate No. Gary L. Jones 7977

BASIN SURVEYS

EXHIBIT "A"

SECTION 8, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,

LEA COUNTY, **NEW MEXICO.**



Directions to Location:

FROM THE JUNCTION OF STATE HWY 128 AND CO. RD. 798, GO WEST FOR 2.4 MILES TO LEASE ROAD; THENCE NORTHEAST FOR 0.5 MILE TO THE JACK #2; THENCE CONTINUE EAST FOR 0.3 MILE TO THE NAFTA "8" FED. #1 AND PROPOSED LEASE ROAD.

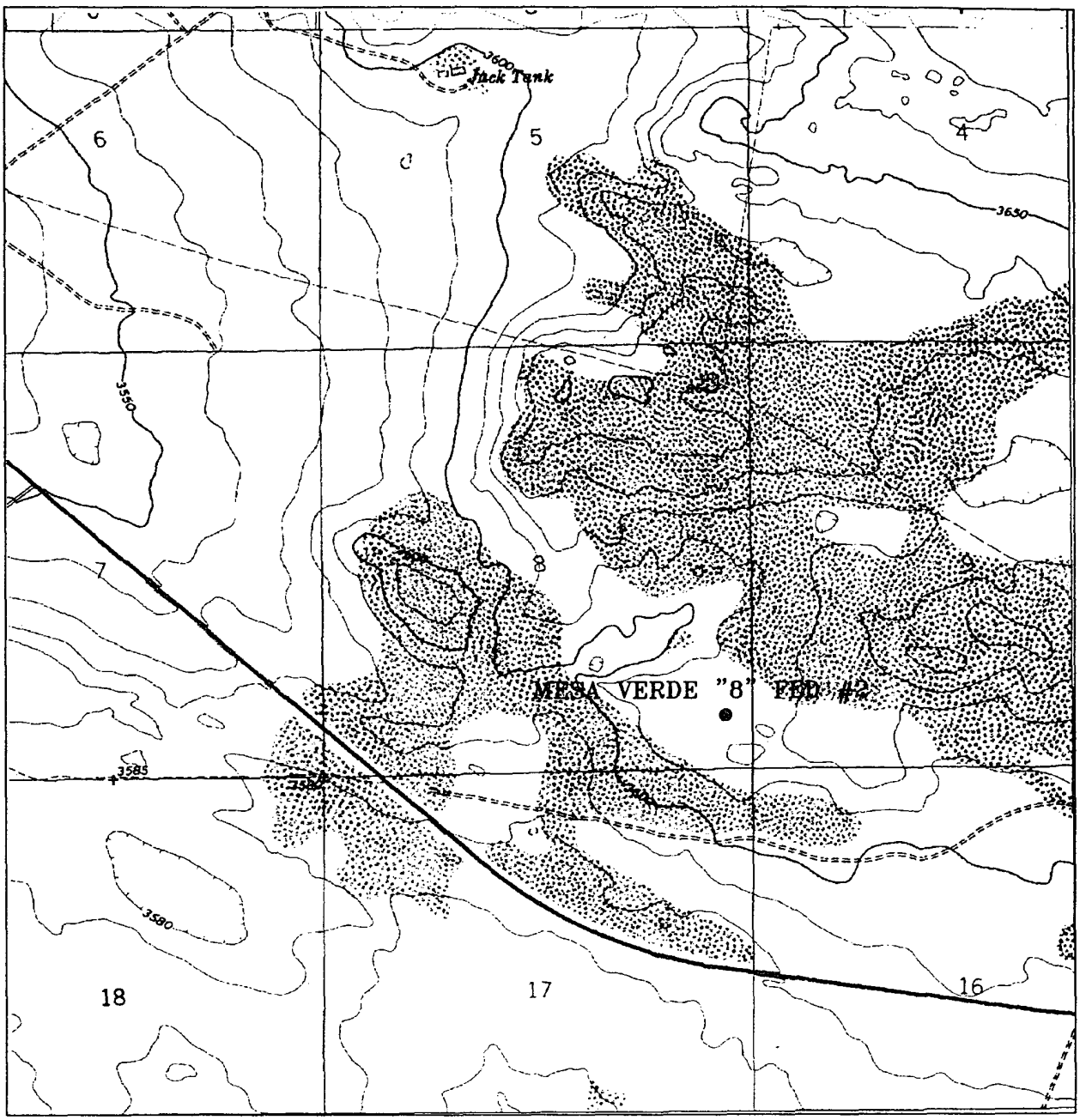
POGO PRODUCING CO.

REF: MESA VERDE "8" FEDERAL #2 / Well Pad Topo

THE MESA VERDE FEDERAL No. 1 LOCATED 660' FROM THE SOUTH LINE AND 330' FROM THE EAST LINE OF SECTION 8, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.

BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 6326	Drawn By: K. GOAD		
Date: 03-06-2006	Disk: KJG CD#1 - 6326A.DWG	Survey Date: 03-01-2006	Sheet 1 of 1 Sheets



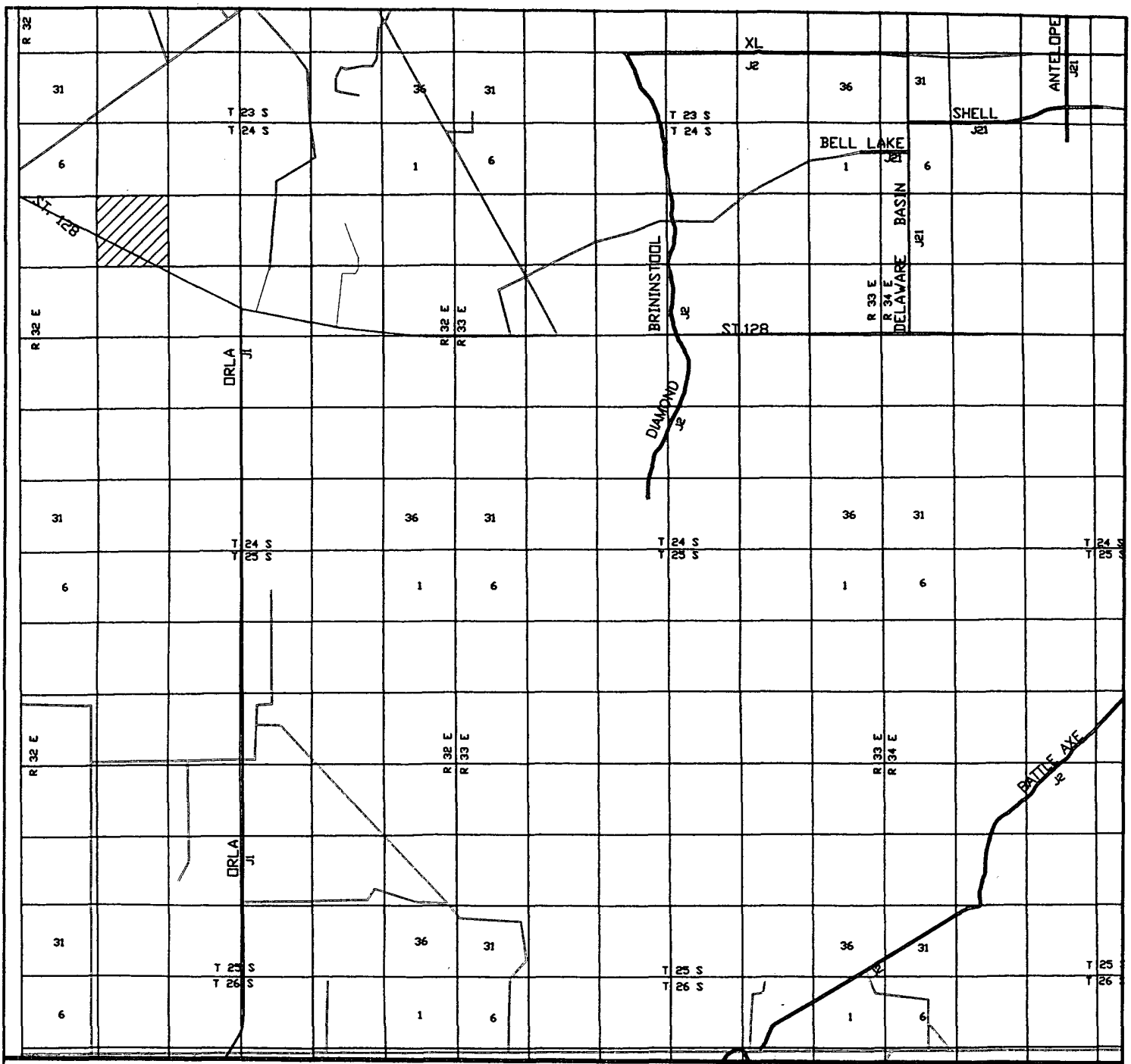
MESA VERDE "8" FEDERAL #2
Located at 660' FSL and 330' FEL
Section 8, Township 24 South, Range 32 East,
N.M.P.M., Lea County, New Mexico.

Basin Surveys
focused on excellence in the oilfield

P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(505) 393-7316 - Office
(505) 392-3074 - Fax
basinsurveys.com

W.O. Number:	6326AA - KJG CD#1
Survey Date:	03-01-2006
Scale:	1" = 2000'
Date:	03-06-2006

POGO PRODUCING COMPANY



MESA VERDE "8" FEDERAL #2
Located at 660' FSL and 330' FEL
Section 8, Township 24 South, Range 32 East,
N.M.P.M., Lea County, New Mexico.

Basin Surveys
focused on excellence in the oilfield

P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(505) 393-7316 - Office
(505) 392-3074 - Fax
basinsurveys.com

W.O. Number:	6326AA - KJG CD#1
Survey Date:	03-01-2006
Scale:	1" = 2 MILES
Date:	03-06-2006

POGO PRODUCING COMPANY

AFE MESA VERDE 8 FD # 2H.xls MITCHELL ENGINEERING PROGRAMS

LONG's METHOD OF SURVEY COMPUTATION

OBLIQUE CIRCULAR ARC INTERPOLATION

0	MD OF INTERPOLATION DEPTH (feet)
#N/A	TVD COORDINATE OF THE DEPTH (feet)
#N/A	N/S COORDINATE OF DEPTH (feet)
#N/A	E/W COORDINATE OF DEPTH (feet)

DISTANCE TABLE

STATION A	STATION B	
3 D DISTANCE BETWEEN STATION A AND STATION B	0.00	ft
Calculator =		

TABLE OF SURVEY STATIONS

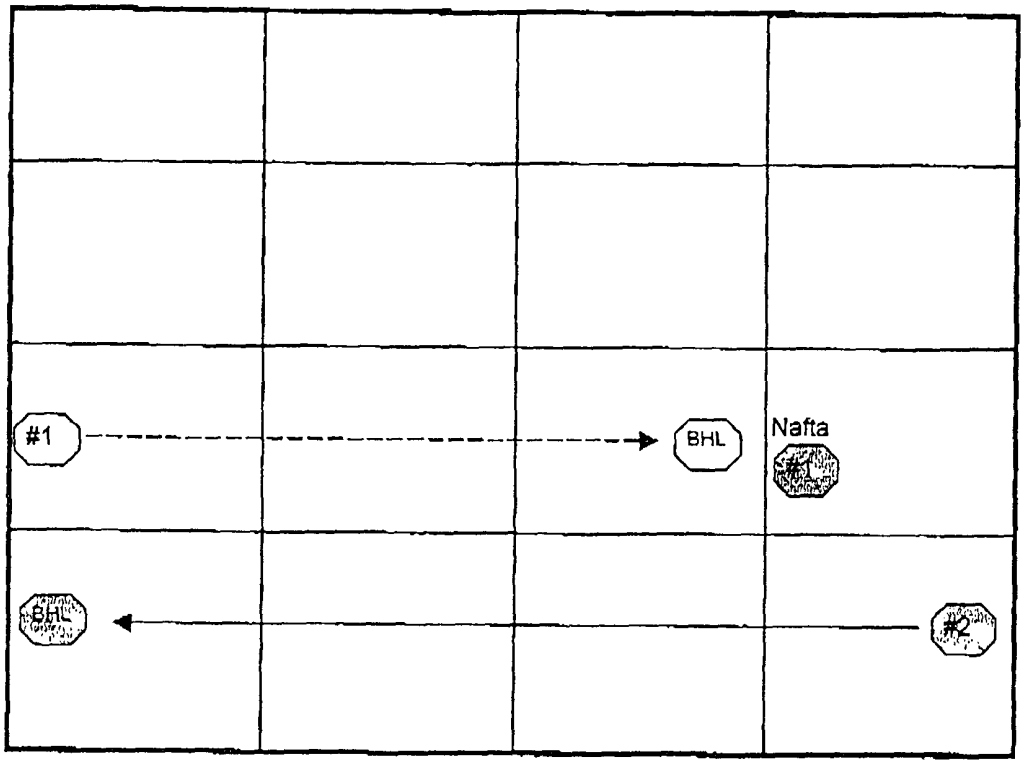
STA #	ΔMD ft	INCL deg	AZIM deg	MD ft	TVD ft	N+/S- ft	E+/W- ft	DLS dep/100FT
1	TIE POINT =>	0	0	9123.00	9123.00	0.00	0.00	-
2	100	12	270	9223.00	9222.27	0.00	-10.43	12.00
3	100	24	270	9323.00	9317.20	0.00	-41.28	12.00
4	100	36	270	9423.00	9403.65	0.00	-91.19	12.00
5	100	48	270	9523.00	9477.83	0.00	-157.98	12.00
6	100	60	270	9623.00	9536.50	0.00	-238.73	12.00
7	100	72	270	9723.00	9577.10	0.00	-329.92	12.00
8	100	84	270	9823.00	9597.85	0.00	-427.56	12.00
9	50	90	270	9873.00	9600.46	0.00	-477.46	12.00
10	100	90	270	9973.00	9600.46	0.00	-577.46	0.00
11	100	90	270	10073.00	9600.46	0.00	-677.46	0.00
12	100	90	270	10173.00	9600.46	0.00	-777.46	0.00
13	100	90	270	10273.00	9600.46	0.00	-877.46	0.00
14	100	90	270	10373.00	9600.46	0.00	-977.46	0.00
15	100	90	270	10473.00	9600.46	0.00	-1077.46	0.00
16	100	90	270	10573.00	9600.46	0.00	-1177.46	0.00
17	100	90	270	10673.00	9600.46	0.00	-1277.46	0.00
18	100	90	270	10773.00	9600.46	0.00	-1377.46	0.00
19	100	90	270	10873.00	9600.46	0.00	-1477.46	0.00
20	100	90	270	10973.00	9600.46	0.00	-1577.46	0.00
21	100	90	270	11073.00	9600.46	0.00	-1677.46	0.00
22	100	90	270	11173.00	9600.46	0.00	-1777.46	0.00
23	100	90	270	11273.00	9600.46	0.00	-1877.46	0.00
24	100	90	270	11373.00	9600.46	0.00	-1977.46	0.00
25	100	90	270	11473.00	9600.46	0.00	-2077.46	0.00
26	100	90	270	11573.00	9600.46	0.00	-2177.46	0.00
27	100	90	270	11673.00	9600.46	0.00	-2277.46	0.00
28	100	90	270	11773.00	9600.46	0.00	-2377.46	0.00
29	100	90	270	11873.00	9600.46	0.00	-2477.46	0.00
30	100	90	270	11973.00	9600.46	0.00	-2577.46	0.00
31	100	90	270	12073.00	9600.46	0.00	-2677.46	0.00
32	100	90	270	12173.00	9600.46	0.00	-2777.46	0.00
33	100	90	270	12273.00	9600.46	0.00	-2877.46	0.00
34	100	90	270	12373.00	9600.46	0.00	-2977.46	0.00
35	100	90	270	12473.00	9600.46	0.00	-3077.46	0.00
36	100	90	270	12573.00	9600.46	0.00	-3177.46	0.00
37	100	90	270	12673.00	9600.46	0.00	-3277.46	0.00
38	100	90	270	12773.00	9600.46	0.00	-3377.46	0.00
39	100	90	270	12873.00	9600.46	0.00	-3477.46	0.00
40	100	90	270	12973.00	9600.46	0.00	-3577.46	0.00
41	100	90	270	13073.00	9600.46	0.00	-3677.46	0.00
42	100	90	270	13173.00	9600.46	0.00	-3777.46	0.00
43	100	90	270	13273.00	9600.46	0.00	-3877.46	0.00
44	100	90	270	13373.00	9600.46	0.00	-3977.46	0.00
45	100	90	270	13473.00	9600.46	0.00	-4077.46	0.00
46	100	90	270	13573.00	9600.46	0.00	-4177.46	0.00

AFE MESA VERDE 8 FD # 2H.xls MITCHELL ENGINEERING PROGRAMS

STA #	ΔMD ft	INCL deg	AZIM deg	MD ft	TVD ft	N+/S- ft	E+/W- ft	DLS deg/100FT
47	100	90	270	13673.00	9600.46	0.00	-4277.46	0.00
48	100	90	270	13773.00	9600.46	0.00	-4377.46	0.00
49	100	90	270	13873.00	9600.46	0.00	-4477.46	0.00
50	100	90	270	13973.00	9600.46	0.00	-4577.46	0.00
51	27	90	270	14000.00	9600.46	0.00	-4604.46	0.00

Mesa Verde / Nafta Section

Sec 8, T-24-S, R-32-E, LEA County, New Mexico



WELL NAME	Surface location legals	Plan Depth TVD	Producing Interval
Nafta Fed #1	660 FSL & 990 FEL	TD = 10,000'	Bone Spring
Mesa Verde 8 Fed #1	1980 FSL & 330 FWL	TD = Proposed 9900'	Proposed Well
Mesa Verde 8 Fed #2	660 FSL & 330 FWL	TD = Proposed 9900'	Anticipated 1st Bone Production

APPLICATION TO DRILL

POGO PRODUCING COMPANY
MEAS VERDE "8" FEDERAL # 2
UNIT "P" SECTION 8
T24S-R32E LEA CO. NM

In response to questions asked under Section II of Bulletin NTL-6 the following information on the above well is providedfor your consideration.

1. Location of well: 660' FSL & 330' FEL SECTION 8 T 24S-R32E LEA CO. NM

2. Ground Elevation above Sea Level: 3615'

3. Geological age of surface formation: Quaternary Deposits:

4. Drilling tools and associated equipment: Conventional rotary drilling rig using drilling mud as a circulating medium to remove solids from hole.

5. Proposed drilling depth: MD 12,695' TVD 9600'

6. Estimated tops of geological markers:

Basal Anhydrite	4482'	Brushy Canyon	6906'
Delaware Lime	4712'	Bone Spring	8576'
Bell Canyon	4734'	1st Bone Spring	9450'
Cherry Canyon	5590'	Bone Spring Pay	9553'

7. Possible mineral bearing formations:

Delaware Lime	Oil	Bone Spring	Oil
Brushy Canyon	Oil		

8. Casing Program:

Hole Size	Interval	OD of Casing	Weight	Thread	Collar	Grade
26"	0-40'	20"	NA	NA	NA	Conductor
17½"	0-850'	13 3/8"	48#	8-R	ST&C	H-40
12¼"	0-4550'	9 5/8"	36#	8-R	ST&C	J-55
8½" & 7 7/8"	0-12,695'	5½"	17#	8-R BUTTRESS	LT&C BTC	P-110

APPLICATION TO DRILL

POGO PRODUCING COMPANY
MEAS VERDE "8" FEDERAL # 2
UNIT "P" SECTION 8
T24S-R32E LEA CO. NM

9. CEMENTING & CASING SETTING DEPTHS:

20"	Conductor	Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
13 3/8"	Surface	Set 850' of 13 3/8" 48# H-40 ST&C casing. Cement with 850 Sx. of Class "C" cement + 2% CaCl, +¼# Flocele/Sx. Circulate cement to surface.
9 5/8"	Intermediate	Set 4550' of 9 5/8" 36# J-55 ST&C casing. Cement with 1400 Sx. of Class "C" cement + additives, circulate cement to surface.
5½"	Production	Set 12,695' of 5½" as follows: 3695' of 5½" 17# P-110 BTC, 9000' of 5½" 17# P-110 LT&C casing. Cement with 2000 Sx. of Class "H" and Class "C" + additives, Est. TOC 3000' From surface.

10. PRESSURE CONTROL EQUIPMENT: Exhibit "E" shows a 900 Series 3000 PSI B.O.P. which will be nippled up on the 13 3/8" casing and will be tested with the rig pumps. Exhibit "E-1" shows a 1500 Series B.O.P. and will be nippled up on the 9 5/8" casing and will be tested by a 3rd party to API specifications. Exhibit "E-2" shows a hydraucally operated closing unit with a 2" 5000 PSI choke manifold with adjustable chokes. B.O.P.'s will be operated at least once in each 24 Hr. period, and the blind rams will be operated when the drill pipe is out of the hole while on trips.

11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.	FLUID LOSS	TYPE MUD SYSTEM
40-850'	8.4-8.7	29-34	NC	Fresh water add paper to control seepage.
850-4550'	10.0-10.2	29-38	NC	Brine water add paper to control seepage and use high viscosity sweeps to clean hole.
4550-12695'MD	8.4-8.7	29-40	NC*	Fresh water mud use high viscosity sweeps to clean hole, if WL is required go to a Polymer/Dris-Pac mud system.

* Water loss may have to be controled in order to run logs, casing and DST's.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation, and/or unexpected kicks. In order to run open hole logs, DST's casing and cores the Water Loss may have to be adjusted in order to meet these needs.

APPLICATION TO DRILL

POGO PRODUCING COMPANY
MEAS VERDE "8" FEDERAL # 2
UNIT "P" SECTION 8
T24S-R32E LEA CO. NM

12. LOGGING, CORING, AND TESTING PROGRAM:

A. Open hole logs: Dual Induction, LDT, SNP, MSFL, Gamma Ray, Caliper from 9900' back to 9 5/8" casing shoe. Run Gamma Ray , Neutron from 9 5/8" casing shoe back to surface.

B. Mud logger amy be placed on hole at 4550' and remain on hole to TD.

C. No cores or DST's are planned at this time

13. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are expected. There is no known presence of H^2S in this area. If H^2S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 4800± PSI, and Estimated BHT 180°.

14. ANTICIPATED STARTING DATE AND DURATION OF OPERATION:

Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operation and drilling is expected to take 40 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flowlines in order to place well on production.

15. OTHER FACETS OF OPERATIONS:

After running casing, cased hole Gamma Ray, Neutron Collar logs will be run from TD back to all possible productive zones. The BONE SPRING formation will be perforated and stimulated in order to establish production. The well will be swab tested and potentialed as an oil well.

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. All Company and Contract personnel admitted on location must be trained by a qualified H_2S safety instructor to the following:

   A. Characteristics of H_2S
   B. Physical effects and hazzards
   C. Proper use of safety equipment and life support systems.
   D. Principle and operation of H_2S detectors, warning system and briefing areas.
   E. Evacuation procedure, routes and first aid.
   F. Proper use of 30 minute pressure demand air pack.

2. H_2S Detection and Alarm Systems

   A. H_2S detectors and audio alarm system to be located at bell nipple, end of blooie line (mud pit) and on derrick floor or doghouse.

3. Windsock and/or wind streamers

   A. Windsock at mudpit area should be high enough to be visible.
   B. Windsock at briefing area should be high enough to be visible.
   C. There should be a windsock at entrance to location.

4. Condition Flags and Signs

   A. Warning sign on access road to location.
   B. Flags to be displayed on sign at entrance to location. Green flag, normal safe condition. Yellow flag indicates potential pressure and danger. Red flag, danger, H_2S present in dangerous concentration. Only emergency personnel admitted to location.

5. Well control equipment

   A. See exhibit "E"

6. Communication

   A. While working under masks chalkboards will be used for communication.
   B. Hand signals will be used where chalk board is inappropriate.
   C. Two way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephoned will be available at most drilling foreman's trailer or living quarters.

7. Drillstem Testing

   A. Exhausts will be watered.
   B. Flare line will be equipped with an electric ignitor or a propane pilot light in case gas reaches the surface.
   C. If location is near any dwelling a closed D.S.T. will be performed.

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

8. Drilling contractor supervisor will be required to be familiar with the effects H_2S has on tubular goods and other mechanical equipment.

9. If H_2S is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas seperator will be brought into service along with H_2S scavengers if necessary.

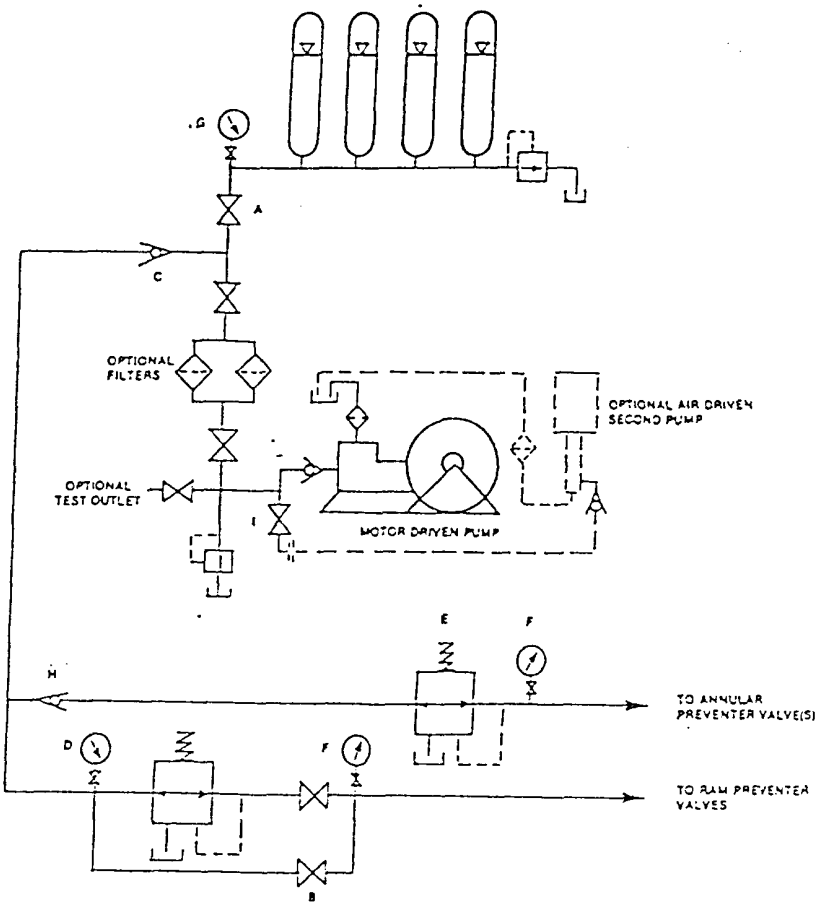


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

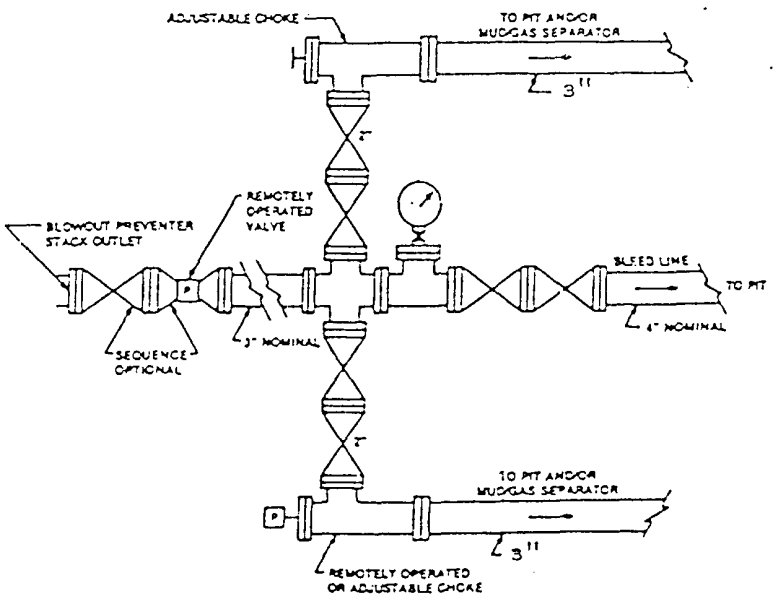


FIGURE K-2. Typical choke manifold assembly for 5M rated working pressure service — surface installation.

EXHIBIT "E-2"
CHOKE MANIFOLD & CLOSING UNIT

POGO PRODUCING COMPANY
MESA VERDE "8" FEDERAL # 2
UNIT "P" SECTION 8
T24S-R32E LEA CO. NM

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
March 12, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe Office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: Pogo Producing Company Telephone: 432-685-8100 e-mail address: wrightc@pogoproducing.com
Address: P. O. Box 10340, Midland, TX 79702-7340
Facility or well name: Mesa Verde 8 Federal #2 API #: 30-025-39914 U/L or Qtr/Qtr P Sec 8 T 24S R 32E
County: Eddy Latitude 32:13:35.7N Longitude 103:41:21.2W NAD: 1927 ☒ 1983 ☐ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**		
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Volume 16000 bbl	Volume: ____bbl Type of fluid: ____ Construction material: ____ Double-walled, with leak detection? Yes ☐ If not, explain why not.		
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet X 50 feet or more, but less than 100 feet 100 feet or more	(20 points) 20 (10 points) (0 points)	
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No X	(20 points) (0 points) 0	
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more X	(20 points) (10 points) (0 points) 0	
	Ranking Score (Total Points)		20

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: onsite ☐ offsite ☐ If offsite, name of facility____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface____ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**
Date: 05/18/06
Printed Name/Title Cathy Wright, Sr. Eng Tech Signature Cathy Wright

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Date: JUN 05 2006
Printed Name/Title ____ Signature ORIGINAL SIGNED BY PAUL F. KAUTZ PETROLEUM ENGINEER

Water Resources

Data Category: Ground Water | Geographic Area: New Mexico | go

mesa verde

News: Available soon in NWISWeb

Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 321312103395601

Save file of selected sites to local disk for future upload

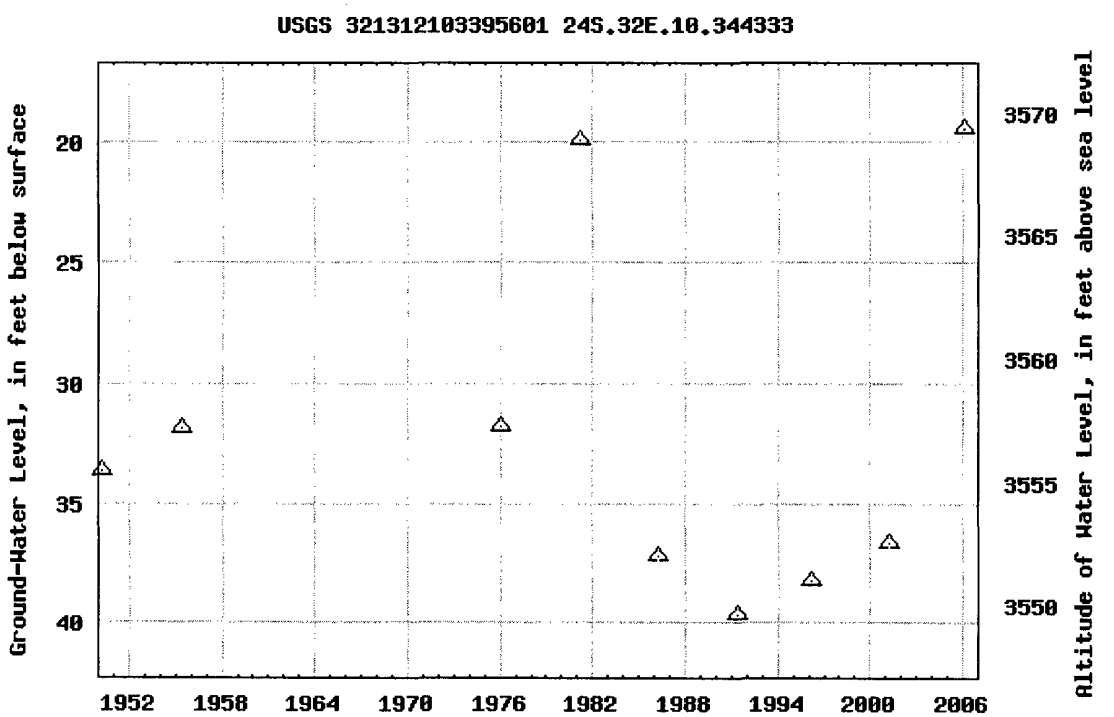
USGS 321312103395601 24S.32E.10.344333

Available data for this site Ground-water: Levels GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°13'12", Longitude 103°39'56" NAD27
Land-surface elevation 3,589.00 feet above sea level NGVD29
The depth of the well is 60 feet below land surface.
This well is completed in the ALLUVIUM,BOLSON DEPOSITS AND OTHER SURFACE DEPOSITS (110AVMB) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



Breaks in the plot represent a gap of at least one calendar year between two consecutive points.
Download a presentation-quality graph

Water Resources

Data Category: Site Information | Geographic Area: New Mexico | go

News: Available soon in NWISWeb

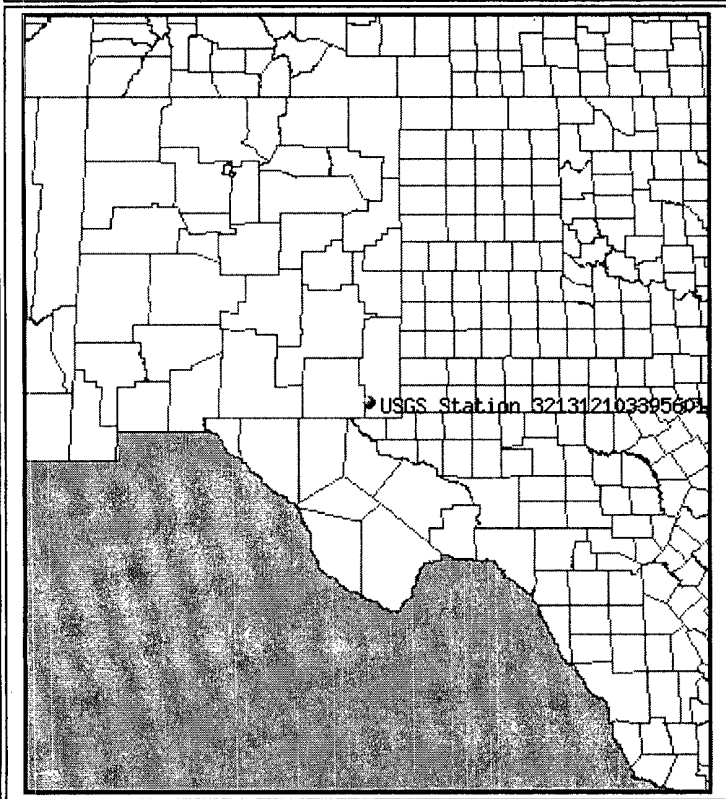
Site Map for New Mexico

USGS 321312103395601 24S.32E.10.344333

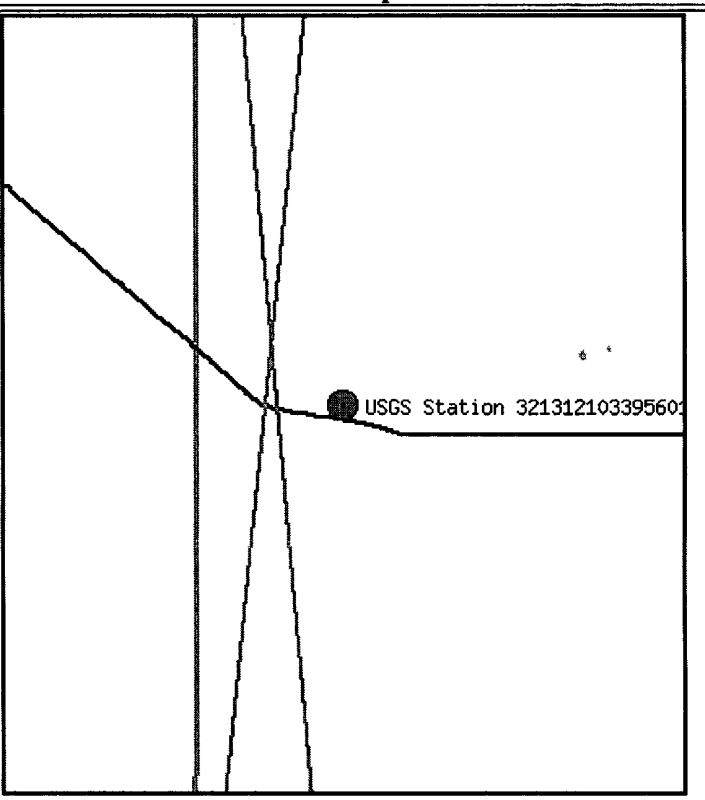
Available data for this site site map GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°13'12", Longitude 103°39'56" NAD27
Land-surface elevation 3,589.00 feet above sea level NGVD29
The depth of the well is 60 feet below land surface.
This well is completed in the ALLUVIUM,BOLSON DEPOSITS AND OTHER SURFACE DEPOSITS (110AVMB) local aquifer.

Location of the site in New Mexico.



Site map.



ZOOM IN 2X, 4X, 6X, 8X, or ZOOM OUT 2X, 4X. 6X. 8X.

Maps are generated by US Census Bureau TIGER Mapping Service.

Great Circle Calculator.

By Ed Williams

You need Javascript enabled if you want this page to do anything useful! For Netscape, it's under Options/Network Preferences/Languages.

Compute true course and distance between points.

Enter lat/lon of points, select distance units and earth model and click "compute". Lat/lons may be entered in DD.DD, DD:MM.MM or DD:MM:SS.SS formats.

Note that if either point is very close to a pole, the course may be inaccurate, because of its extreme sensitivity to position and inevitable rounding error.

Input Data

Lat1		Lon1	
32:13:35.7	N	103:41:21.1	W
Lat2		**Lon2**	
32:13:12	N	103:39:56	W

Output

Course 1-2	Course 2-1	Distance
108.215268	288.227873	1.26322164

Distance Units: nm Earth model: Spherical (1'=1nm)

Compute Reset

Compute lat/lon given radial and distance from a known point

Enter lat/lon of initial point, true course and distance. Select distance units and earth model and click "compute". Lat/lons may be entered in DD.DD, DD:MM.MM or DD:MM:SS.SS formats.

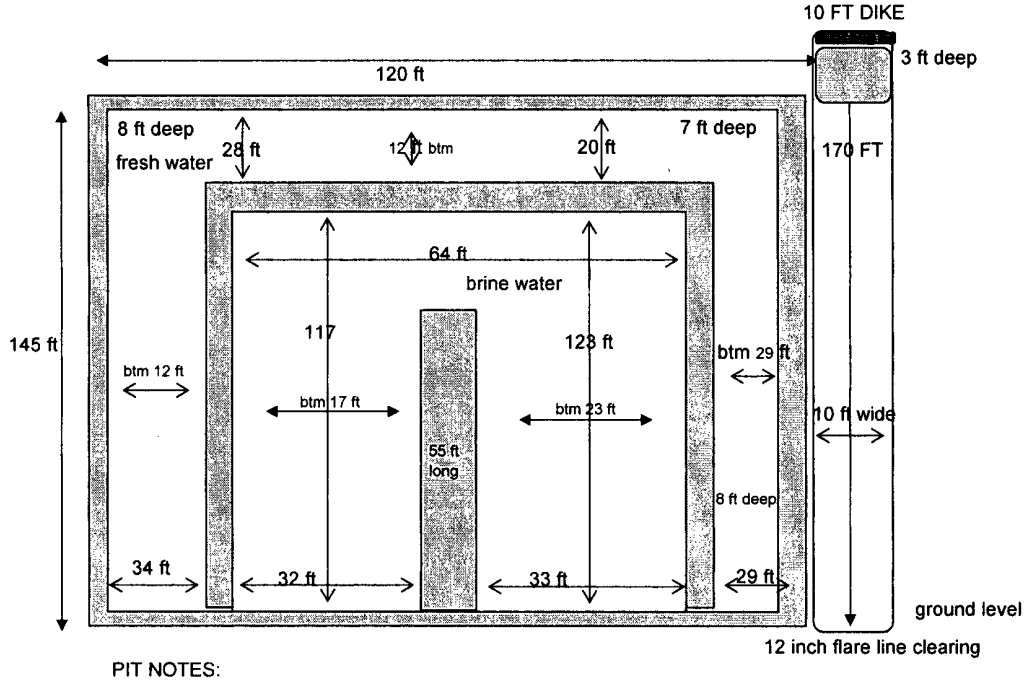
Note that the starting point cannot be a pole.

Input data

Lat1		Lon1	
0:00.00	N	0:00.00	W
Course 1-2		Distance 1-2	
360		0.0	

POGO Producing Company
Mesa Verde 8 Federal #2
Approximate Pit Dimensions

P/8/24S/32E, Lea County, New Mexico



PIT NOTES:

Pit will be lined with 12 mil Black plastic w/ UV protection.
Pit walls are 6 ft to 8 ft wide.
Pit is 8 ft deep below ground level plus 2 ft walls
Pit walls are 2 ft above ground level.
Caliches mined from pit used to make Well Pad.
Fresh Water volume to ground level = ± 7950 bbls
Brine Water volume to ground level = ± 7730 bbls
12 inch Flare line laid on gradual descending graded ROW away from rig to avoid fluid trapping
Fresh water well = (Nad 27) 32° 13' 12" N & 103° 39' 56" W "Published data"
This well produces from a depth less than 50 ft.

Pit equals approx 16000 bbls

The sender of this message has requested a read receipt. Click here to send a receipt.

Mull, Donna, EMNRD

From: Phillips, Dorothy, EMNRD **Sent:** Mon 6/5/2006 9:18 AM
To: Mull, Donna, EMNRD
Cc:
Subject: RE: Financial Assurance Requirement
Attachments:

All have blankets and one appear on Jane's list.

From: Mull, Donna, EMNRD
Sent: Monday, June 05, 2006 8:06 AM
To: Phillips, Dorothy, EMNRD
Cc: Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD
Subject: Financial Assurance Requirement

Dorothy,

Is the Financial Assurance Requirement for these Operators OK?

Pogo Producing Co (17891)
Devon Energy Production Co LP (6137)
Pride Energy Co (151323)
BTA Oil Producers (3002)
Chesapeake Operating Inc (147179)
B C Operating Inc (160825)

I have check the inactive well list for each of these operators.

Please let me know. Thanks and have a nice day. Donna