

30-015.21066



DIRECTIONAL SURVEY REPORT

MARBOB ENERGY CORPORATION

NOOSE FEDERAL 5

EDDY COUNTY, NEW MEXICO

PREPARED BY: FRANCISCO SINISTERRA

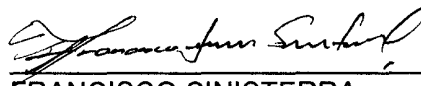
Pathfinder Energy Services, Inc.
6213 W. County Road 112 • Midland, TX • 79706
(432)681-6000

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) JAY FULTON
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 05/08/09 TO 05/13/09
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

MARBOB ENERGY CORPORATION
NOOSE FEDERAL 5
EDDY COUNTY, NM
RIG: TEACO 1
9. SURVEY CERTIFIED FROM: 2076 TO 5337 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 2954.42 FEET ON A BEARING OF 180.00 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 5386 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



FRANCISCO SINISTERRA
MWD COORDINATOR

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 05/08/2009
Date Completed: 05/13/2009

MARBOB ENERGY CORPORATION
NOOSE FEDERAL #5
EDDY COUNTY, NEW MEXICO
Rig:TEACO 1
PathFinder Office Supervisor: FRANCISCO SINISTERRA
PathFinder Field Engineers:JAY FULTON
BRYANT BLAKEMORE

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.37.7.6941 N LON:104.27.25.6498 W
GRID Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 461885.2000 Y: 588854.5000
North Aligned To:GRID NORTH
Total Magnetic Correction: 8.33° EAST TO GRID
Vertical Section Plane: 180.00
Survey Vert. Reference: 12.00' Rotary Table To Ground
Altitude:3506.00' Ground To MSL

Measured Depth	5386.00	(feet)
Inclination	89.43	(deg)
Azimuth	180.37	(deg)
True Vertical Depth	2660.92	(feet)
Vertical Section	2954.42	(feet)
Survey X cord	461885.00	(feet)
Survey Y cord	585900.06	(feet)
Survey Lat	32.61068271 N	(deg)
Survey Lon	104.45711441 W	(deg)
Rectangular Corr. N/S	2954.42 S	(feet)
Rectangular Corr. E/W	0.18 W	(feet)
Closure Distance	2954.42	(feet)
Direction of Closure	180.00	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY CORPORATION
 NOOSE FEDERAL #5
 EDDY COUNTY, NEW MEXICO
 Rig:TEACO 1
 PathFinder Office Supervisor: FRANCISCO SINISTERRA
 PathFinder Field Engineers: JAY FULTON
 BRYANT BLAKEMORE

Page 01/03
 Tie-in Date: 05/08/2009
 Date Completed: 05/13/2009

Survey Horiz. Reference:WELLHEAD
 Ref Coordinates: LAT:32.37.7.6941 N LON:104.27.25.6498 W
 Reference:NAD27 new mexico east Transverse Mercator
 Ref GRID Coord: X: 461885.2000 Y: 588854.5000
 North Aligned To:GRID NORTH
 Total Magnetic Correction: 8.33°EAST TO GRID
 Vertical Section Plane: 180.00
 Survey Vert. Reference: 12.00' Rotary Table To Ground
 Altitude:3506.00' Ground To MSL

Survey Calculations by RX4 using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)	DLS (dg/100ft)	
TIE-IN TO SCIENTIFIC DRILLING GYRO SURVEY @2000'MD										
2000.00	1.16	8.85	1999.87	0.00	-19.29	19.29 N	4.31 E	19.77@ 12.59	0.00	
THE FOLLOWING ARE PATHFINDER MWD SURVEYS										
2076.00	0.53	99.03	2075.86	76.00	-19.99	19.99 N	4.78 E	20.56@ 13.43	1.68	
2107.00	3.96	165.11	2106.84	31.00	-18.94	18.94 N	5.19 E	19.64@ 15.33	12.18	
2138.00	8.62	172.01	2137.64	31.00	-15.60	15.60 N	5.79 E	16.64@ 20.36	15.20	
2170.00	13.19	174.39	2169.06	32.00	-9.59	9.59 N	6.48 E	11.57@ 34.05	14.35	
2201.00	15.21	176.09	2199.11	31.00	-2.01	2.01 N	7.10 E	7.38@ 74.19	6.65	
2232.00	15.56	175.25	2229.00	31.00	6.19	6.19 S	7.73 E	9.90@ 128.70	1.34	
2263.00	15.74	176.07	2258.85	31.00	14.53	14.53 S	8.36 E	16.76@ 150.09	0.92	
2294.00	18.99	179.02	2288.43	31.00	23.77	23.77 S	8.73 E	25.32@ 159.83	10.86	
2326.00	22.77	180.41	2318.32	32.00	35.17	35.17 S	8.78 E	36.25@ 165.99	11.91	
2357.00	26.29	179.76	2346.52	31.00	48.04	48.04 S	8.76 E	48.83@ 169.66	11.39	
2388.00	29.28	179.20	2373.95	31.00	62.49	62.49 S	8.90 E	63.12@ 171.90	9.68	
2419.00	30.95	179.81	2400.76	31.00	78.04	78.04 S	9.03 E	78.56@ 173.40	5.48	
2450.00	34.03	181.23	2426.91	31.00	94.69	94.69 S	8.87 E	95.10@ 174.65	10.24	
2481.00	37.20	182.06	2452.10	31.00	112.73	112.73 S	8.35 E	113.04@ 175.77	10.34	
2513.00	40.80	181.97	2476.97	32.00	132.85	132.85 S	7.64 E	133.07@ 176.71	11.25	
2544.00	44.41	181.99	2499.78	31.00	153.82	153.82 S	6.92 E	153.98@ 177.43	11.64	
2575.00	47.84	181.45	2521.26	31.00	176.15	176.15 S	6.25 E	176.26@ 177.97	11.13	
2606.00	51.27	181.13	2541.37	31.00	199.74	199.74 S	5.72 E	199.82@ 178.36	11.09	
2637.00	55.05	180.65	2559.96	31.00	224.54	224.54 S	5.34 E	224.60@ 178.64	12.26	
2668.00	58.74	181.22	2576.88	31.00	250.50	250.50 S	4.91 E	250.55@ 178.88	12.00	
2699.00	62.26	181.53	2592.15	31.00	277.47	277.47 S	4.26 E	277.50@ 179.12	11.39	
2730.00	65.77	181.60	2605.73	31.00	305.32	305.32 S	3.50 E	305.34@ 179.34	11.33	
2762.00	69.29	181.38	2617.96	32.00	334.87	334.87 S	2.73 E	334.89@ 179.53	11.02	
2793.00	72.55	180.87	2628.09	31.00	364.16	364.16 S	2.16 E	364.17@ 179.66	10.63	

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY CORPORATION
NOOSE FEDERAL #5
EDDY COUNTY, NEW MEXICO
RIG:TEACO 1

Page 02/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
2824.00	76.06	180.82	2636.47	31.00	394.00	394.00 S	1.72 E	394.00@	179.75	11.32
2855.00	79.67	180.31	2642.99	31.00	424.30	424.30 S	1.42 E	424.30@	179.81	11.75
2886.00	83.19	179.26	2647.61	31.00	454.95	454.95 S	1.54 E	454.95@	179.81	11.84
2917.00	86.79	179.02	2650.31	31.00	485.82	485.82 S	2.00 E	485.82@	179.76	11.64
2949.00	89.08	179.03	2651.47	32.00	517.79	517.79 S	2.54 E	517.80@	179.72	7.16
2980.00	89.43	178.93	2651.87	31.00	548.79	548.79 S	3.10 E	548.79@	179.68	1.17
3011.00	90.48	179.47	2651.89	31.00	579.78	579.78 S	3.53 E	579.79@	179.65	3.81
3042.00	90.40	179.68	2651.66	31.00	610.78	610.78 S	3.76 E	610.79@	179.65	0.72
3073.00	90.22	179.62	2651.49	31.00	641.78	641.78 S	3.95 E	641.79@	179.65	0.61
3104.00	90.13	179.55	2651.39	31.00	672.78	672.78 S	4.17 E	672.79@	179.64	0.37
3136.00	89.96	179.52	2651.37	32.00	704.78	704.78 S	4.43 E	704.79@	179.64	0.54
3167.00	90.31	180.59	2651.30	31.00	735.78	735.78 S	4.40 E	735.79@	179.66	3.63
3198.00	90.40	180.95	2651.10	31.00	766.77	766.77 S	3.99 E	766.78@	179.70	1.20
3229.00	90.40	180.78	2650.89	31.00	797.77	797.77 S	3.52 E	797.78@	179.75	0.55
3260.00	90.40	180.67	2650.67	31.00	828.76	828.76 S	3.13 E	828.77@	179.78	0.35
3292.00	90.31	180.71	2650.47	32.00	860.76	860.76 S	2.74 E	860.77@	179.82	0.31
3323.00	90.22	180.74	2650.33	31.00	891.76	891.76 S	2.35 E	891.76@	179.85	0.31
3354.00	90.22	180.57	2650.21	31.00	922.76	922.76 S	1.99 E	922.76@	179.88	0.55
3417.00	90.22	180.46	2649.97	63.00	985.75	985.75 S	1.43 E	985.75@	179.92	0.17
3479.00	90.13	180.50	2649.78	62.00	1047.75	1047.75 S	0.91 E	1047.75@	179.95	0.16
3541.00	90.04	180.60	2649.69	62.00	1109.75	1109.75 S	0.31 E	1109.75@	179.98	0.22
3634.00	90.31	180.81	2649.40	93.00	1202.74	1202.74 S	0.83 W	1202.74@	180.04	0.37
3728.00	90.13	180.20	2649.04	94.00	1296.74	1296.74 S	1.66 W	1296.74@	180.07	0.68
3821.00	89.96	180.04	2648.97	93.00	1389.74	1389.74 S	1.86 W	1389.74@	180.08	0.25
3914.00	91.89	180.29	2647.47	93.00	1482.72	1482.72 S	2.12 W	1482.72@	180.08	2.09
3977.00	90.66	179.63	2646.07	63.00	1545.70	1545.70 S	2.08 W	1545.70@	180.08	2.22
4008.00	90.31	179.53	2645.80	31.00	1576.70	1576.70 S	1.85 W	1576.70@	180.07	1.17
4071.00	89.25	179.23	2646.04	63.00	1639.69	1639.69 S	1.17 W	1639.69@	180.04	1.75
4103.00	89.08	179.17	2646.51	32.00	1671.69	1671.69 S	0.72 W	1671.69@	180.02	0.56

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY CORPORATION
NOOSE FEDERAL #5
EDDY COUNTY, NEW MEXICO
RIG:TEACO 1

Page 03/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir		DLS (dg/100ft)
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	(dg/100ft)
4167.00	88.81	178.74	2647.69	64.00	1735.67	1735.67 S	0.44 E	1735.67@	179.99	0.79
4230.00	89.52	178.58	2648.61	63.00	1798.64	1798.64 S	1.92 E	1798.64@	179.94	1.16
4293.00	89.25	178.69	2649.28	63.00	1861.62	1861.62 S	3.42 E	1861.62@	179.89	0.46
4356.00	89.69	179.38	2649.87	63.00	1924.61	1924.61 S	4.48 E	1924.61@	179.87	1.30
4388.00	90.04	179.37	2649.94	32.00	1956.61	1956.61 S	4.83 E	1956.61@	179.86	1.09
4450.00	90.31	179.09	2649.75	62.00	2018.60	2018.60 S	5.66 E	2018.61@	179.84	0.63
4514.00	90.92	179.59	2649.07	64.00	2082.59	2082.59 S	6.40 E	2082.60@	179.82	1.23
4577.00	90.48	180.51	2648.30	63.00	2145.59	2145.59 S	6.34 E	2145.60@	179.83	1.62
4641.00	88.72	180.78	2648.74	64.00	2209.58	2209.58 S	5.62 E	2209.58@	179.85	2.78
4672.00	88.11	180.82	2649.60	31.00	2240.56	2240.56 S	5.19 E	2240.57@	179.87	1.97
4736.00	88.37	180.92	2651.57	64.00	2304.53	2304.53 S	4.22 E	2304.53@	179.90	0.43
4768.00	88.55	180.83	2652.43	32.00	2336.51	2336.51 S	3.73 E	2336.51@	179.91	0.63
4799.00	88.64	181.00	2653.19	31.00	2367.50	2367.50 S	3.24 E	2367.50@	179.92	0.62
4831.00	88.46	180.84	2654.00	32.00	2399.48	2399.48 S	2.72 E	2399.48@	179.94	0.75
4894.00	89.96	180.57	2654.86	63.00	2462.47	2462.47 S	1.95 E	2462.47@	179.95	2.42
4926.00	89.34	180.33	2655.06	32.00	2494.47	2494.47 S	1.70 E	2494.47@	179.96	2.08
4957.00	88.99	180.27	2655.51	31.00	2525.46	2525.46 S	1.53 E	2525.46@	179.97	1.15
4988.00	88.72	180.16	2656.13	31.00	2556.46	2556.46 S	1.42 E	2556.46@	179.97	0.94
5052.00	89.16	180.46	2657.31	64.00	2620.45	2620.45 S	1.07 E	2620.45@	179.98	0.83
5083.00	88.90	180.24	2657.84	31.00	2651.44	2651.44 S	0.88 E	2651.44@	179.98	1.10
5115.00	89.08	180.18	2658.40	32.00	2683.44	2683.44 S	0.76 E	2683.44@	179.98	0.59
5147.00	89.16	180.06	2658.90	32.00	2715.43	2715.43 S	0.70 E	2715.43@	179.99	0.45
5211.00	90.04	180.12	2659.34	64.00	2779.43	2779.43 S	0.60 E	2779.43@	179.99	1.38
5260.00	89.34	180.15	2659.61	49.00	2828.43	2828.43 S	0.48 E	2828.43@	179.99	1.43
5337.00	89.43	180.37	2660.43	77.00	2905.42	2905.42 S	0.13 E	2905.42@	180.00	0.31
STRAIGHT LINE PROJECTION TO BIT @ 5386'MD										
5386.00	89.43	180.37	2660.92	49.00	2954.42	2954.42 S	0.18 W	2954.42@	180.00	0.00

PATHFINDER

ENERGY SERVICES

TIE-IN SURVEY INFORMATION SHEET

CLIENT INFORMATION

CLIENT:	MARBOB ENERGY		
LEASE / WELL No.:	NOOSE FEDERAL	5	
WELL LOCATION:	EDDY COUNTY		
COUNTY / STATE / COUNTRY:	EDDY	NEW MEXICO	USA
RIG:	TEACO 1		
API WELL No:	30-015-21066		
JOB No:	101008491 WT-WT		
P.O. / AFE No.			
DIRECTIONAL COMPANY:	PATHFINDER ENERGY SERVICES		

WELL SITE INFORMATION

MAGNETIC DECLINATION:			
On Wall Plat:	8.33	LWD Calculated:	8.33
Agreed Upon:	8.33		
X =	461885.200000	Feet	Y = 588854.500000
			Feet
SITE LATITUDE:	32.618804 N	SITE LONGITUDE:	104.457125 W
GRID SYSTEM:	TRUE ☐ UTM ☒ LAMBERT ☐	ZONE:	
PROPOSED DRIFT DIRECTION:	180		
KELLY BUSHING ELEVATION:	12 Feet		
ALTITUDE:	3506	Feet	WATER DEPTH:
			Feet

TIE-IN SURVEY

MEASURED DEPTH:	2000		
DRIFT ANGLE:	1.16		
DRIFT DIRECTION:	8.85		
TRUE VERTICAL DEPTH:	1999.87		
VERTICAL SECTION:	-19.22		
RECTANGULAR COORDINATE (N / S) :	19.29		
RECTANGULAR COORDINATE (E / W) :	4.31		
CLOSURE DISTANCE / DIRECTION:	19.76	12.59	
SURVEY CALCULATION METHOD:	AA ☐	MC ☒	RC ☐ BT ☐
SOURCE OF TIE-IN DATA (COMPANY):	PATHFINDER ENERGY SERVICES		
COPY OF TIE-IN SURVEY REPORT	☒ YES ☐ NO		

WELL PLAN

KICKOFF DEPTH:	2173	TOTAL DEPTH:	5415
KICKOFF ANGLE:	0	MAX ANGLE:	90

PES Engineers:

Jay D. Fulton

Bryant Blakemore

**Signature of both field engineers required if applicable

Directional Driller:

Floyd Smith

DATE: 8-May-2009

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

MARBOB ENERGY
NOOSE FEDERAL #5
EDDY COUNTY, NEW MEXICO
Rig:TEACO 1

Mon May 04 17:09:27 2009

Coordinates

Latitude: 32.618804 N (32 deg. 37 min. 7.6941 sec.)
Longitude: 104.457125 W (-104 deg. 27 min. 25.6498 sec.)
Elevation: 3506.00 feet.
Calculation Date: May/04/2009

Magnetic Calculations

Model: IGRF2005
Dip Angle: 60.4631 degrees
Total Magnetic Field: 0.48992 gauss
Magnetic Declination: 8.258968 degrees
Horizontal Intensity: 0.241522 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 8.258968 Degs

Transverse Mercator Grid Calculations NAD27

Grid System: Transverse Mercator: new mexico east
Ellipsoid: Clarke 1866
X: 461885.2000 feet
Y: 588854.5000 feet
True to Grid: (convergence) 0.066730 degrees
Magnetic to Grid: 8.325697 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 8.325697 Degs.

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

Field
Calculation

MARBOB ENERGY
NOOSE FEDERAL #5
EDDY COUNTY
Rig:TEACO 1

Fri May 08 13:12:22 2009

Coordinates

Latitude: 32.618804 N (32 deg. 37 min. 7.6941 sec.)
Longitude: 104.457125 W (-104 deg. 27 min. 25.6498 sec.)
Elevation: 3518.00 feet.
Calculation Date: May/08/2009

Magnetic Calculations

Model: IGRF2005
Dip Angle: 60.4629 degrees
Total Magnetic Field: 0.48991 gauss
Magnetic Declination: 8.257668 degrees
Horizontal Intensity: 0.241518 gauss

To Convert a Magnetic Dir. to a TRUE North Dir. Add 8.257668 Degr.

Transverse Mercator Grid Calculations NAD27

Grid System: Transverse Mercator: new mexico east
Ellipsoid: Clarke 1866
X: 461885.2000 feet
Y: 588854.5000 feet
True to Grid: (convergence) 0.066730 degrees
Magnetic to Grid: 8.324397 degrees

To Convert a Magnetic Dir. to a GRID dir. Add 8.324397 Degr.

MAR 19 2009

OCD-ARTESIA

ATS-09-243

EA-09-365

Form 3160-3
(February 2005)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

1a. Type of work ☐ DRILL ☒ REENTER		5 Lease Serial No. SHL: NMNM 113927 BHL: NM 111946
1b. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		6 If Indian, Allottee or Tribe Name
2 Name of Operator Marbob Energy Corporation		7 If Unit or CA Agreement, Name and No
3a Address P.O. Box 227, Artesia, NM 88211-0228		8 Lease Name and Well No. Noose Federal Com #5 36300
3b Phone No. (include area code) 575-748-3303		9 API Well No. 30-015-21066
4 Location of Well (Report location clearly and in accordance with any State requirements*) At surface 1980' FNL & 1980' FWL At proposed prod zone BHL: 330' FSL & 1980' FWL		10 Field and Pool, or Exploratory ☒ North Seven Rivers; Glorieta-Yeso
14 Distance in miles and direction from nearest town or post office* About 6 miles from Lakewood, NM		11 Sec; T. R. M. or Blk. and Survey or Area Section 35, T19S - R25E
15 Distance from proposed* location to nearest property or lease line, ft (Also to nearest drg unit line, if any) 660'	16 No. of acres in lease 320.00	12 County or Parish Eddy County
17 Spacing Unit dedicated to this well 120	18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft	13 State NM
19 Proposed Depth 4095' MD & TVD 2650'	20 BLM/BIA Bond No. on file NMB000412	
21 Elevations (Show whether DF, KDB, RT, GL, etc.) 3504' GL	22 Approximate date work will start* 02/27/2009	23 Estimated duration 14 Days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No 1, must be attached to this form

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above) |
| 2. A Drilling Plan | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office) | 6. Such other site specific information and/or plans as may be required by the BLM. |

25 Signature <i>Nancy T. Agnew</i>	Name (Printed/Typed) Nancy T. Agnew	Date 01/27/2009
Title Land Department		

Approved by (Signature) <i>/s/ Don Peterson</i>	Name (Printed/Typed) <i>/s/ Don Peterson</i>	Date MAR 17 2009
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

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, are attached.

APPROVAL FOR TWO YEARS

Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

*(Instructions on page 2)

ROSWELL CONTROLLED WATER BASIN

SEE ATTACHED FOR
CONDITIONS OF APPROVALAPPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

NR

DISTRICT I
1625 N. FRENCH DR., HOBBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-21066	Pool Code 97565	Pool Name North Seven Rivers; Glorieta-Yeso
Property Code 36300	Property Name NOOSE FEDERAL	Well Number 5
OGRID No. 14049	Operator Name MARBOB ENERGY CORPORATION	Elevation 3506'

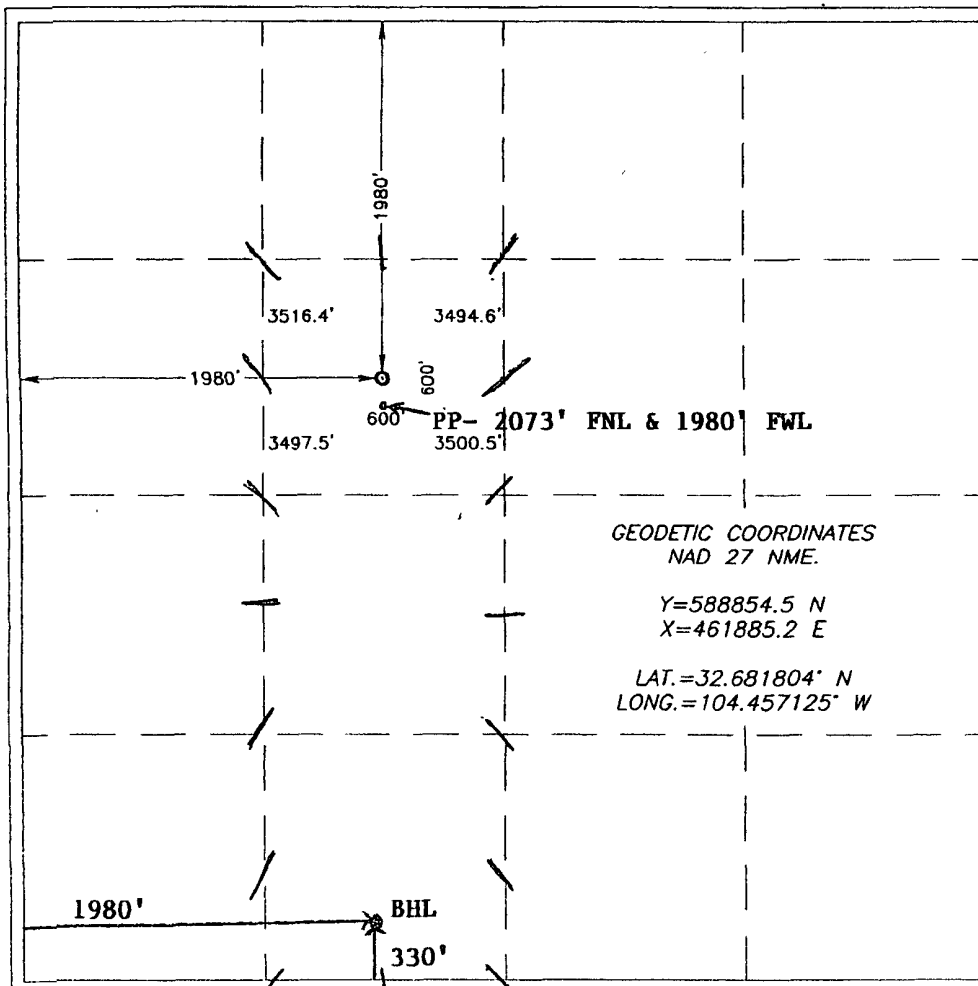
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	35	19-S	25-E		1980	NORTH	1980	WEST	EDDY

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	35	19-S	25-E		330'	South	1980'	West	Eddy
Dedicated Acres 120	Joint or Infill	Consolidation Code	Order No.						

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 that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <u>Nancy T. Agnew</u> 1/27/09 Signature Date <u>Nancy T. Agnew</u> Printed Name 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 supervision, and that the same is true and correct to the best of my belief. <u>February 8, 2008</u> Date Surveyed DSS <u>Ronald J. Eidson</u> Signature & Seal of Professional Surveyor <u>08.11.0073</u> Certificate No. GARY G. EIDSON 12841 RONALD J. EIDSON 3239
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