

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO 1004-0137
Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other						5. Lease Serial No. NM 109414			
b Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff.Resvr., Other						6. If Indian, Allottee or Tribe Name			
2 Name of Operator EOG Resources Inc.						7 Unit or CA Agreement Name and No.			
3 Address P.O. Box 2267 Midland, Texas 79702				3a. Phone No. (include area code) 432-686-3689		8. Lease Name and Well No. Pembina B 33 Fed Com 2H			
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 760' FSL & 510' FEL, U/L P NOV 19 2008 OCD-ARTESIA At top prod interval reported below At total depth 763' FSL & 858' FWL, U/L M						9 API Well No. 30-015-36502			
14 Date Spudded 10/3/08				15 Date T.D. Reached 10/14/08		10. Field and Pool, or Exploratory Four Mile Draw; Wolfcamp			
16 Date Completed ☐ D & A ☒ Ready to Prod. 11/4/08				17 Elevations (DF, RKB, RT, GL)* 3938' GL		11 Sec., T., R., M., or Block and Survey or Area Sec 33, T18S, R23E			
18 Total Depth: MD TVD 8400 4557				19. Plug Back T.D.: MD TVD		12 County or Parish Eddy			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)				22 Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy)		13 State NM			
23 Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt (#ft)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No of Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
12-1/4	8-5/8	32		1237		1045 C, 50 H		surface	
7-7/8	5-1/2	17		8390		1375 POZ C		surface	
24 Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-3/8	5150								
25 Producing Intervals					26 Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Wolfcamp	4540		4800 - 8320	0.42"	114	Producing			
B)									
C)									
D)									
27 Acid, Fracture, Treatment, Cement Squeeze, Etc									
Depth Interval	Amount and Type of Material								
4800 - 8320	Frac w/ 280 bbls 15% HCL acid, 576 bbls Dilute acid, 2521 bbls 15 # Linear gel, 340089 lbs 100 mesh sand, 324591 lbs 30/70 sand, 140355 lbs 20/40 sand, 24111 bbls water.								
28 Production - Interval A									
Date First Produced 11/4/08	Test Date 11/16/08	Hours Tested 24	Test Production →	Oil BBL 0	Gas MCF 1158	Water BBL 55	Oil Gravity Corr API	Gas Gravity	Production Method Flowing
Choke Size Open	Tbg Press Flwg SI 180	Csg Press 420	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status PGW	
28a Production-Interval B									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

(See instructions and spaces for additional data on page 2)

Accepted for record - NMOCD

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Well No.: PEMBINA B33 FED COM 2H          Date : 6-OCT-2008
Job No.  : 32K1008786                     GRID      Proposal : 269.97
Depth    T.V.D.      V.S.      Inc      Azimuth Latitude Departure D-leg
Page 1

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Pembina B 33 Fed Com #2H Gyro.txt

(Feet)	(Feet)	(Feet)	Deg.	Deg.	(Feet)	(Feet)	/100
0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
100.00	100.00	0.47	0.77	316.21	0.48	-0.47	0.77
200.00	199.98	1.14	1.22	348.63	2.01	-1.14	0.70
300.00	299.96	1.35	1.11	359.82	4.03	-1.35	0.25
400.00	399.94	1.26	1.01	5.96	5.87	-1.26	0.15
500.00	499.93	0.99	1.06	11.11	7.66	-0.99	0.11
600.00	599.91	0.68	0.88	10.16	9.32	-0.68	0.18
700.00	699.90	0.41	0.76	10.98	10.73	-0.42	0.12
800.00	799.89	0.06	0.77	20.08	12.01	-0.06	0.12
900.00	899.89	-0.22	0.65	4.64	13.21	0.21	0.22
1000.00	999.88	-0.10	0.58	340.72	14.25	0.09	0.26
1100.00	1099.88	0.13	0.47	351.30	15.13	-0.14	0.15
1200.00	1199.87	0.35	0.62	342.32	16.05	-0.36	0.17
1300.00	1299.86	0.94	0.82	323.89	17.14	-0.95	0.30
1400.00	1399.86	1.70	0.59	318.97	18.11	-1.71	0.24
1500.00	1499.85	2.32	0.58	325.82	18.92	-2.33	0.07
1600.00	1599.85	2.96	0.42	281.01	19.41	-2.97	0.41
1700.00	1699.85	3.67	0.42	250.94	19.36	-3.68	0.22
1800.00	1799.84	4.15	0.35	205.99	18.96	-4.16	0.30
1900.00	1899.84	4.42	0.41	201.86	18.36	-4.43	0.07
2000.00	1999.84	4.73	0.45	207.34	17.68	-4.74	0.06
2100.00	2099.83	5.08	0.52	200.88	16.90	-5.08	0.09
2200.00	2199.83	5.37	0.58	195.59	15.99	-5.38	0.08
2300.00	2299.82	5.68	0.68	196.59	14.94	-5.69	0.10
2400.00	2399.82	6.32	0.69	230.87	13.99	-6.32	0.40
2500.00	2499.81	7.20	0.70	222.55	13.16	-7.20	0.10
2600.00	2599.80	7.89	0.60	212.71	12.27	-7.90	0.15
2700.00	2699.80	8.42	0.46	216.81	11.50	-8.42	0.14
2800.00	2799.80	8.95	0.40	235.41	10.98	-8.95	0.15
2900.00	2899.79	9.47	0.31	241.93	10.66	-9.48	0.10
3000.00	2999.79	10.02	0.36	266.26	10.51	-10.03	0.15
3100.00	3099.79	10.84	0.58	274.93	10.54	-10.85	0.23
3200.00	3199.78	11.74	0.48	249.42	10.43	-11.74	0.25
3300.00	3299.78	12.30	0.31	218.17	10.07	-12.30	0.27
3400.00	3399.78	12.61	0.26	218.15	9.68	-12.61	0.05
3500.00	3499.78	12.98	0.33	236.13	9.34	-12.99	0.12
3600.00	3599.78	13.66	0.50	272.23	9.20	-13.66	0.30
3700.00	3699.77	14.44	0.42	290.96	9.35	-14.44	0.17
3800.00	3799.77	14.82	0.24	347.56	9.68	-14.83	0.35
3900.00	3899.77	14.82	0.13	27.93	9.99	-14.82	0.16
4000.00	3999.77	14.30	0.53	91.02	10.08	-14.31	0.49
4100.00	4099.76	12.88	1.11	99.54	9.91	-12.89	0.59
4193.00	4192.74	11.05	1.16	89.48	9.77	-11.06	0.22

The Horizontal Displacement (in Feet) at
Measured Depth 4193.00 is 14.76 in a Direction of 311.45 Degrees

Pembina B Fed Com #2H Final Surveys.txt

~Version Information

VERS. 2.00: PATHFINDER ENERGY SERVICES LAS - Version 2.00
 WRAP. NO: One line per depth step

~Well Information

STRT.FT 0.0000:
 STOP.FT 8800.0000:
 STEP.FT 0.0000:
 NULL. -999.25:
 "COMP. EOG RESOURCES, INC.: COMPANY"
 WELL. PEMBINA B33 FED #2H: WELL
 FLD. FOUR MILE DRAW(WOLFCAMP): FLD
 SRVC. Pathfinder Energy Services: SERVICE COMPANY
 LOC. : LOCATION
 DATE. 14-Oct-08: LOG DATE
 UWI. 30-015-36502: API NUMBER
 APD .FT 18.00: ELEVATION ABOVE PERMANENT DATUM
 CNTY. EDDY COUNTY: COUNTY
 CTRY. UNITED STATES: COUNTRY
 DMF. KELLY BUSHINGS: DRILLING-LOG MEASURED FROM
 EPD .FT 3938.00: ELEVATION OF PERMANENT DATUM
 FL1. 760' FSL 510' FEL: WELL LOCATION 1
 "FL2. X; 390,548.4' Y; 618,187.8': WELL LOCATION 2"
 PDAM. GROUND LEVEL - MEAN SEA LEVEL: ELEVATION OF PERMANENT DATUM REF
 PDAT. GROUND LEVEL: PERMANENT DATUM
 RANG. 23E: RANGE
 SECT. 033: SECTION
 STAT. NM: STATE
 TOWN. 18S: TOWNSHIP

~Parameter Information

BHB1.IN 12 1/4: BOREHOLE REC; BIT 1
 BHF1.FT 0: BOREHOLE REC; FROM 1
 BHO1.FT 1239: BOREHOLE REC; TO 1
 BHB2.IN 7 7/8: BOREHOLE REC; BIT 2
 BHF2.FT 1239: BOREHOLE REC; FROM 2
 BHO2.FT 8396: BOREHOLE REC; TO 2
 CTS1.IN 8 5/8: CASING & TUBING REC; SIZE 1
 CTF1.FT 0: CASING & TUBING REC; FROM 1
 CTO1.FT 1239: CASING & TUBING REC; TO 1
 DCOM. MCVAY DRILLING: DRILLING COMPANY
 RIG. #4: DRILLING RIG
 LUN. TRAILER: LOGGING UNIT NUMBER
 DIST. WEST TEXAS: DISTRICT
 SPUD. 03-OCT-08: SPUD DATE
 STD. 09-OCT-08: START DATE
 SDEP.FT 4146: DEPTH IN
 ENDT. 14-OCT-08: LWD END DATE
 EDEP.FT 8396: DEPTH OUT
 TDEP.FT 8396: TOTAL DEPTH

Pembina B Fed Com #2H Final Surveys.txt

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"R010.    RUN #3; 6-1/2"" HDS-1R/GAMMA-RAY LOGGING RUN.: Remarks - Line 010 "
"R002.    EOG RESOURCES, INC. AFE #; 103910.: Remarks - Line 002 "
R003.    PATHFINDER ENERGY SERVICES TRACKING #; 101007910-WT-WT.: Remarks - Line 003
R005.    ALL REFERENCES IN DEPTH TRACK ARE AT BIT DEPTH.: Remarks - Line 005
R006.    ALL LOGGING DATA IS TRANSMITTED ONLY UNLESS STATED OTHERWISE.: Remarks - Line 006
"R008.    RUN #1; 6-1/2"" HDS-1R/GAMMA-RAY LOGGING RUN.: Remarks - Line 008 "
"R009.    RUN #2; 6-1/2"" HDS-1R/GAMMA-RAY LOGGING RUN.: Remarks - Line 009 "
RA01.      1: RUN NUMBER 01
RB01.    09-OCT-08: START DATE - RUN 01
RC01.      06;00: START TIME - RUN 01
RD01.    10-OCT-08: END DATE - RUN 01
RE01.      09;00: END TIME - RUN 01
RF01.FT    4146: DEPTH IN - RUN 01
RG01.FT    4486: DEPTH OUT - RUN 01
RH01.FT    4100: LOG TOP - RUN 01
RI01.FT    4438: LOG BOTTOM - RUN 01
RJ01.IN     7 7/8: HOLE SIZE - RUN 01
RU01.      M. SHIPP: ENGINEER #1 - RUN 01
MB01.FT    4150: MUD DEPTH - RUN 01
MD01.    WATER BASED: MUD TYPE - RUN 01
ME01.LB/GAL  9.20: DENSITY - RUN 01
MF01.S/QT    34: VISCOSITY - RUN 01
MG01.      10.5: PH - RUN 01
MH01.PPM    60000: SALINITY - RUN 01
MK01.DEGF    108: MAX REC TEMP - RUN 01
RA02.      2: RUN NUMBER 02
RB02.    10-OCT-08: START DATE - RUN 02
RC02.      09;15: START TIME - RUN 02
RD02.    11-OCT-08: END DATE - RUN 02
RE02.      00;45: END TIME - RUN 02
RF02.FT    4486: DEPTH IN - RUN 02
RG02.FT    4764: DEPTH OUT - RUN 02
RH02.FT    4438: LOG TOP - RUN 02
RI02.FT    4719: LOG BOTTOM - RUN 02
RJ02.IN     7 7/8: HOLE SIZE - RUN 02
RU02.      M. SHIPP: ENGINEER #1 - RUN 02
MB02.FT    4500: MUD DEPTH - RUN 02
MD02.    WATER BASED: MUD TYPE - RUN 02
ME02.LB/GAL  9.20: DENSITY - RUN 02
MF02.S/QT    34: VISCOSITY - RUN 02
MG02.      10.5: PH - RUN 02
MH02.PPM    60000: SALINITY - RUN 02
MK02.DEGF    108: MAX REC TEMP - RUN 02
RA03.      3: RUN NUMBER 03
RB03.    11-OCT-08: START DATE - RUN 03
RC03.      01;30: START TIME - RUN 03
RD03.    14-OCT-08: END DATE - RUN 03
RE03.      22;30: END TIME - RUN 03

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Pembina B Fed Com #2H Final Surveys.txt

RF03.FT 4764: DEPTH IN - RUN 03
 RG03.FT 8396: DEPTH OUT - RUN 03
 RH03.FT 4719: LOG TOP - RUN 03
 RI03.FT 8343: LOG BOTTOM - RUN 03
 RJ03.IN 7 7/8: HOLE SIZE - RUN 03
 RU03. M. SHIPP: ENGINEER #1 - RUN 03
 MB03.FT 4950: MUD DEPTH - RUN 03
 MD03. WATER BASED: MUD TYPE - RUN 03
 ME03.LB/GAL 8.90: DENSITY - RUN 03
 MF03.S/QT 30: VISCOSITY - RUN 03
 MG03. 12.0: PH - RUN 03
 MH03.PPM 55000: SALINITY - RUN 03
 MK03.DEGF 116: MAX REC TEMP - RUN 03
 TTL1. GAMMA-RAY: HEADER TITLE LINE 1
 TTL2. GAMMA-RAY: HEADER TITLE LINE 2
 TTL3. : HEADER TITLE LINE 3
 "SC1 . 5'" = 100': LOG SCALE 1"
 "SC2 . 1'" = 100': LOG SCALE 2"
 OS1 . DIRECTIONAL: OTHER SERVICES LINE 1
 OS2 . ROP: OTHER SERVICES LINE 2

~Curve Information

DEPT.FT : MWD Tool Measurement Depth
 MTTVD.FT : MWD Tool Measurement TVD
 INC .DEG : Inclination
 AZI .DEG : Azimuth
 SECT.FT : Section
 RCN .FT : Rectangular Co-ordinates North
 RCE .FT : Rectangular Co-ordinates East
 DLSEV.DG/HFT : Dog-leg Severity

#	DEPT	MTTVD	INC	AZI	SECT	RCN	RCE	DLSEV
#	FT	FT	DEG	DEG	FT	FT	FT	DG/HFT
#								
#	Relog Number	0	0	0	0	0	0	0

~ASCII Data

4100.00	4099.76	1.11	99.54	12.88	9.91	-12.89	-999.25
4142.00	4141.75	1.06	99.31	12.10	9.78	-12.11	0.12
4203.00	4202.75	0.62	80.02	11.22	9.75	-11.22	0.85
4234.00	4233.74	0.97	301.76	11.28	9.91	-11.28	4.81
4265.00	4264.71	4.13	275.42	12.61	10.16	-12.62	10.61
4296.00	4295.53	8.00	270.77	15.88	10.29	-15.89	12.57
4327.00	4326.06	11.87	270.26	21.23	10.33	-21.23	12.49
4358.00	4356.15	15.83	268.32	28.65	10.22	-28.65	12.86
4389.00	4385.69	19.52	267.28	38.05	9.86	-38.05	11.95
4420.00	4414.56	23.13	266.15	49.30	9.20	-49.31	11.72
4450.00	4441.75	26.82	266.25	61.94	8.36	-61.94	12.30
4481.00	4468.91	30.78	267.20	76.85	7.52	-76.85	12.86
4512.00	4494.91	35.17	268.64	93.70	6.92	-93.71	14.38

Pembina B Fed Com #2H Final Surveys.txt							
4543.00	4519.58	39.31	270.36	112.46	6.77	-112.46	13.77
4574.00	4542.81	43.62	271.20	132.98	7.05	-132.98	14.02
4605.00	4564.44	47.84	271.36	155.16	7.55	-155.17	13.62
4636.00	4584.33	52.32	272.59	178.92	8.38	-178.92	14.77
4667.00	4602.32	56.72	273.36	204.12	9.69	-204.12	14.34
4697.00	4617.77	61.29	272.67	229.79	11.04	-229.80	15.36
4728.00	4631.62	65.60	272.12	257.49	12.20	-257.50	13.99
4759.00	4643.57	69.03	271.09	286.08	12.99	-286.08	11.48
4790.00	4653.87	72.19	270.69	315.31	13.45	-315.32	10.27
4820.00	4662.25	75.36	269.67	344.11	13.53	-344.12	11.06
4851.00	4669.30	78.35	268.79	374.29	13.13	-374.30	10.03
4883.00	4674.84	81.69	267.63	405.79	12.14	-405.79	11.03
4976.00	4680.47	91.36	267.90	498.44	8.53	-498.44	10.40
5069.00	4677.69	92.07	268.70	591.35	5.77	-591.36	1.15
5162.00	4674.40	91.98	269.45	684.29	4.27	-684.29	0.81
5255.00	4671.19	91.98	269.64	777.23	3.53	-777.23	0.20
5349.00	4668.59	91.19	269.28	871.19	2.65	-871.19	0.92
5443.00	4666.92	90.84	269.30	965.16	1.48	-965.17	0.37
5537.00	4664.18	92.51	272.06	1059.11	2.59	-1059.11	3.43
5631.00	4661.21	91.10	272.63	1152.97	6.44	-1152.98	1.62
5724.00	4657.93	92.95	273.67	1245.77	11.55	-1245.77	2.28
5816.00	4654.96	90.75	271.78	1337.60	15.92	-1337.61	3.15
5910.00	4653.15	91.45	271.36	1431.55	18.49	-1431.56	0.87
6004.00	4649.69	92.77	270.34	1525.47	19.88	-1525.48	1.77
6097.00	4645.98	91.80	268.14	1618.38	18.65	-1618.39	2.58
6190.00	4644.27	90.31	262.67	1711.03	11.20	-1711.04	6.09
6285.00	4641.87	92.59	261.07	1805.05	-2.22	-1805.05	2.93
6379.00	4637.26	93.03	261.31	1897.83	-16.60	-1897.83	0.53
6473.00	4632.72	92.51	261.35	1990.66	-30.76	-1990.64	0.56
6566.00	4628.51	92.68	262.05	2082.60	-44.17	-2082.57	0.77
6660.00	4623.39	93.56	265.59	2175.90	-54.27	-2175.87	3.88
6753.00	4616.61	94.79	269.35	2268.55	-58.37	-2268.52	4.24
6848.00	4608.32	95.23	271.85	2363.17	-57.38	-2363.14	2.66
6941.00	4601.62	93.03	271.65	2455.88	-54.55	-2455.85	2.38
7034.00	4596.35	93.47	272.02	2548.68	-51.57	-2548.65	0.62
7128.00	4592.17	91.63	272.46	2642.51	-47.90	-2642.48	2.01
7221.00	4590.16	90.84	271.23	2735.43	-44.91	-2735.41	1.57
7320.00	4588.56	91.01	271.38	2834.39	-42.65	-2834.37	0.23
7409.00	4586.99	91.01	272.57	2923.32	-39.59	-2923.30	1.34
7502.00	4584.28	92.33	272.59	3016.19	-35.40	-3016.17	1.42
7596.00	4580.97	91.71	272.55	3110.03	-31.19	-3110.02	0.66
7689.00	4578.76	91.01	272.05	3202.93	-27.46	-3202.91	0.93
7781.00	4576.08	92.33	272.24	3294.82	-24.02	-3294.81	1.45
7874.00	4572.87	91.63	272.34	3387.69	-20.30	-3387.68	0.76
7969.00	4570.32	91.45	273.11	3482.54	-15.79	-3482.53	0.83
8063.00	4567.36	92.15	272.78	3576.37	-10.96	-3576.36	0.82
8156.00	4563.37	92.77	272.97	3669.16	-6.30	-3669.16	0.70
8248.00	4559.84	91.63	272.66	3760.98	-1.79	-3760.98	1.28

8327.00	4558.26	90.66	271.97	Pembina B Fed Com #2H Final Surveys.txt	3839.90	1.40	-3839.90	1.51
8400.00	4557.42	90.66	271.97		3912.85	3.91	-3912.85	0.00

District I
1625 N. French Dr., Hobbs, 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-36502	Pool Code 97415	Pool Name Four Mile Draw ; Wolfcamp (G)
Property Code 37048	Property Name PEMBINA "B" 33 FED. COM	Well Number 2H
GRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3938.1'

Surface Location

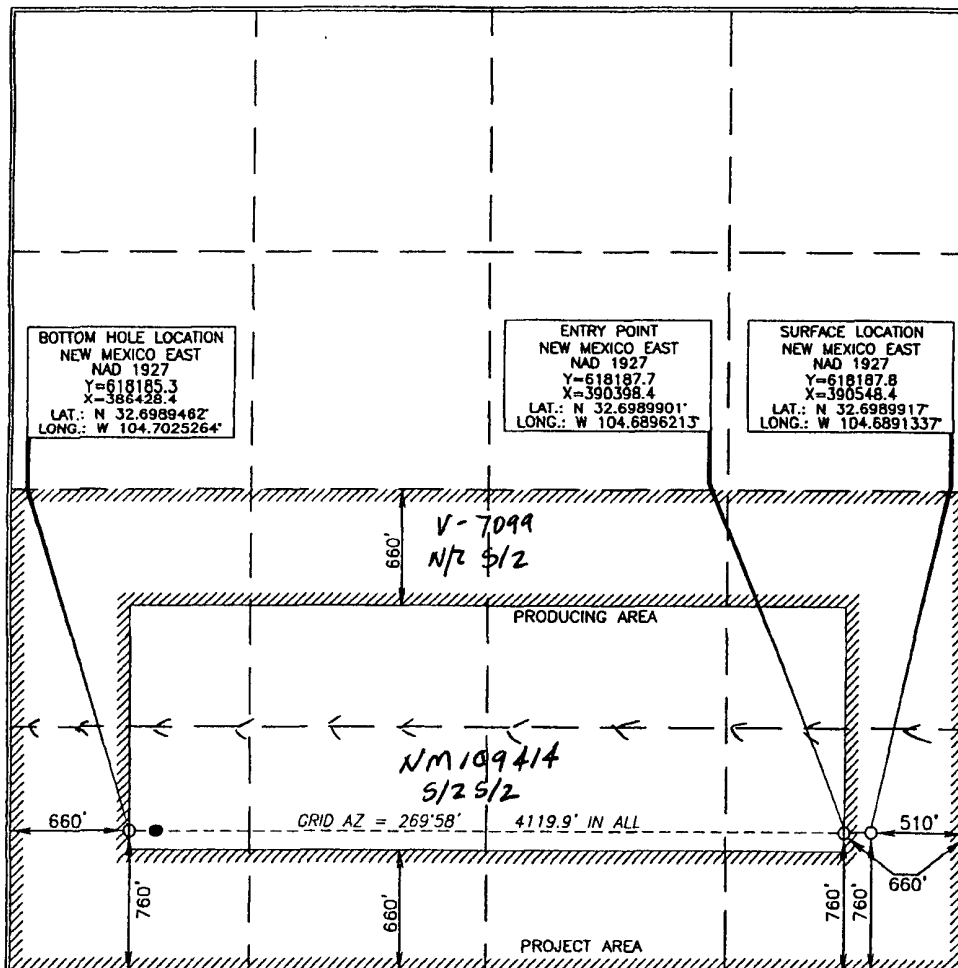
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	33	18 SOUTH	23 EAST, N.M.P.M.		760'	SOUTH	510'	EAST	EDDY

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
M	33	18 SOUTH	23 EAST, N.M.P.M.		763	SOUTH	858	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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 contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Donny G. Glatton* Date: 5/23/08

Printed Name: Donny G. Glatton

SURVEYOR CERTIFICATION

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

Signature and Seal of Professional Surveyor: *Terry J. Paul* Date of Survey: MAY 1, 2008

Professional Surveyor: *Terry J. Paul* 5/13/2008

Certificate Number: 15079

WO# 080115WL-d (Rev. A) (NA)