

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 8 2007
Revised October 12, 2007
Submitted to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35507	Pool Code 97489	Pool Name WILDCAT; WOLFCAMP GAS
Property Code 36417	Property Name ORINOCO "B" 8 FEE	Well Number 2H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3353'

Surface Location

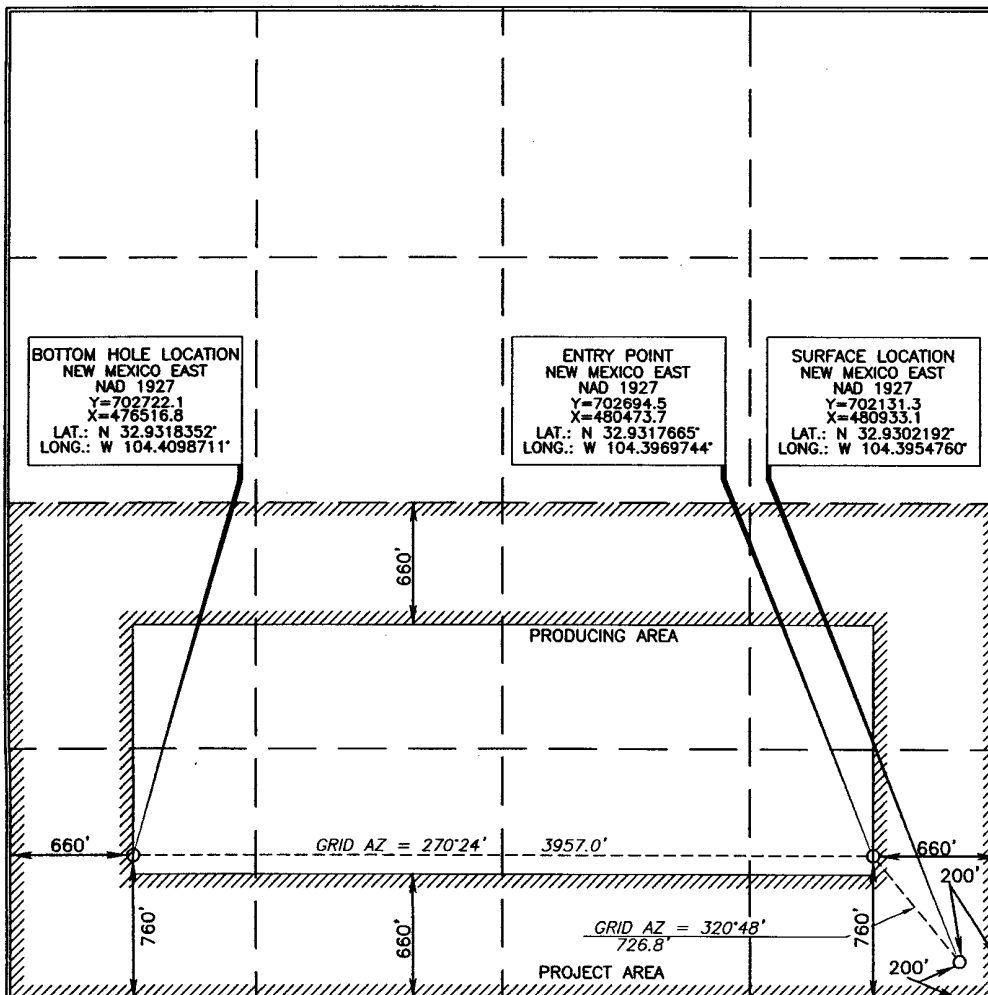
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	16 SOUTH	26 EAST, N.M.P.M.		200'	SOUTH	200'	EAST	EDDY

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	8	16 SOUTH	26 EAST, N.M.P.M.		760'	SOUTH	660'	WEST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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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.

Donny G. Glanton 3/26/07
Signature Date

Donny G. Glanton
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.

15079
DECEMBER 12, 2006
Date of Survey

Signature and Seal of Professional Surveyor

Terry J. Noel 2/20/07
Certificate Number 15079

WO# 061212WL-e (JL)

Permit Information:

Well Name: Orinoco B 8 Fee #2H

Location:

SL 200' FSL & 200' FEL, Section 8, T-16-S, R-26-E, Eddy Co., N.M.

BHL 760' FSL & 660' FWL, Section 8, T-16-S, R-26-E, Eddy Co., N.M.

Casing Program:

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	1,000'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	9,441'	7-7/8"	5 1/2"	17#	N-80	Surface

e 1125'

Cement Program:

Depth	No. Sacks	Slurries:
1,000'	200	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	175	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
9,441'	400	Lead: Interfill C + 1/4 pps Flocele
	350	Tail: Premium Cement + 100% Acid Soluble Additive + 0.6% Halad®-344 + 0.8% Econolite + 0.2% HR-55

e 1125'

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,000'	Fresh - Gel	8.6-8.8	28-34	N/c
1,000' - 4,600'	Cut Brine	8.8-9.2	28-34	N/c
4,600' - 5,400'	Cut Brine	8.8-9.2	28-34	10-15
4,320' - 9,441'	Polymer (Lateral)	9.0-9.4	40-45	10-20



EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702
(432) 686-3600

March 1, 2007

State of New Mexico Energy, Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

To Whom It May Concern:

I am writing to request a waiver for the inclusion of an H₂S Contingency Plan for the Orinoco B 8 Fee #2H. The current plan is to complete this well in the Wolfcamp, which is sweet, and I do not anticipate encountering any H₂S bearing formations during drilling operations.

Sincerely,

A handwritten signature in black ink, appearing to read "Jason LaGrega", written over the printed name and title.

Jason LaGrega
Drilling Engineer

Pathfinder Energy

Planning Report

Company: EOG Resources
Field: Orinoco B 8 Fee #2H
Site: Orinoco B 8 Fee #2H
Well: Orinoco B 8 Fee #2H
Wellpath: OH

Date: 3/3/2007 **Time:** 20:51:39 **Page:** 2
Co-ordinate(NE) Reference: Orinoco B 8 Fee #2H, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,277.62Azi)
Plan: Plan #1 3-3-07

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4320.00	0.00	0.00	4320.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 4320' MD
4400.00	5.37	312.00	4399.88	2.51	-2.79	3.09	6.72	6.72	0.00	
4500.00	12.09	312.00	4498.67	12.66	-14.06	15.62	6.72	6.72	0.00	
4600.00	18.81	312.00	4595.00	30.48	-33.85	37.59	6.72	6.72	0.00	
4700.00	25.53	312.00	4687.55	55.71	-61.87	68.71	6.72	6.72	0.00	
4800.00	32.24	312.00	4775.06	88.01	-97.75	108.55	6.72	6.72	0.00	
4900.00	38.96	312.00	4856.33	126.94	-140.98	156.57	6.72	6.72	0.00	
5000.00	45.68	312.00	4930.22	171.97	-190.99	212.10	6.72	6.72	0.00	
5100.00	52.39	312.00	4995.74	222.47	-247.07	274.39	6.72	6.72	0.00	
5200.00	59.11	312.00	5051.99	277.75	-308.47	342.57	6.72	6.72	0.00	
5300.00	65.83	312.00	5098.18	337.05	-374.33	415.72	6.72	6.72	0.00	
5400.00	72.55	312.00	5133.69	399.56	-443.76	492.82	6.72	6.72	0.00	
5500.00	79.26	312.00	5158.03	464.42	-515.79	572.82	6.72	6.72	0.00	
5510.95	80.00	312.00	5160.00	471.63	-523.80	581.71	6.72	6.72	0.00	
5600.00	82.43	301.97	5173.63	524.48	-594.01	658.31	11.46	2.73	-11.27	
5700.00	85.43	290.84	5184.24	568.59	-682.94	752.30	11.46	3.00	-11.13	
5800.00	88.60	279.80	5189.46	594.92	-779.10	851.10	11.46	3.17	-11.04	
5843.63	90.00	275.00	5190.00	600.53	-822.34	894.71	11.46	3.22	-11.00	EOC @ 5843' MD, 5160' TVD
5900.00	90.00	274.66	5190.00	605.28	-878.52	951.02	0.60	0.00	-0.60	
6000.00	90.00	274.06	5190.00	612.89	-978.23	1050.86	0.60	0.00	-0.60	
6100.00	90.00	273.46	5190.00	619.45	-1078.01	1150.63	0.60	0.00	-0.60	
6200.00	90.00	272.86	5190.00	624.96	-1177.86	1250.33	0.60	0.00	-0.60	
6300.00	90.00	272.26	5190.00	629.43	-1277.76	1349.94	0.60	0.00	-0.60	

Pathfinder Energy

Planning Report

Company: EOG Resources
Field: Orinoco B 8 Fee #2H
Site: Orinoco B 8 Fee #2H
Well: Orinoco B 8 Fee #2H
Wellpath: OH

Date: 3/3/2007 **Time:** 20:51:39 **Page:** 3
Co-ordinate(NE) Reference: Orinoco B 8 Fee #2H, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,277.62Azi)
Plan: Plan #1 3-3-07

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6400.00	90.00	271.66	5190.00	632.85	-1377.70	1449.45	0.60	0.00	-0.60	
6500.00	90.00	271.06	5190.00	635.22	-1477.67	1548.85	0.60	0.00	-0.60	
6600.00	90.00	270.46	5190.00	636.54	-1577.66	1648.13	0.60	0.00	-0.60	
6700.00	90.00	269.86	5190.00	636.82	-1677.66	1747.29	0.60	0.00	-0.60	
6800.00	90.00	269.26	5190.00	636.05	-1777.66	1846.30	0.60	0.00	-0.60	
6839.63	90.00	269.02	5190.00	635.45	-1817.28	1885.49	0.60	0.00	-0.60	End Turn, Begin Build
6900.00	91.81	269.02	5189.05	634.42	-1877.63	1945.18	3.00	3.00	-0.01	
6906.59	92.01	269.02	5188.83	634.30	-1884.22	1951.69	3.00	3.00	-0.01	End Build @ 6907' MD, 92°
7000.00	92.01	269.02	5185.55	632.70	-1977.56	2043.99	0.00	0.00	0.00	
7100.00	92.01	269.02	5182.05	630.98	-2077.48	2142.80	0.00	0.00	0.00	
7200.00	92.01	269.02	5178.54	629.27	-2177.41	2241.62	0.00	0.00	0.00	
7300.00	92.01	269.02	5175.04	627.55	-2277.33	2340.43	0.00	0.00	0.00	
7400.00	92.01	269.02	5171.53	625.83	-2377.25	2439.25	0.00	0.00	0.00	
7500.00	92.01	269.02	5168.03	624.12	-2477.18	2538.06	0.00	0.00	0.00	
7600.00	92.01	269.02	5164.52	622.40	-2577.10	2636.87	0.00	0.00	0.00	
7700.00	92.01	269.02	5161.01	620.68	-2677.03	2735.69	0.00	0.00	0.00	
7800.00	92.01	269.02	5157.51	618.97	-2776.95	2834.50	0.00	0.00	0.00	
7900.00	92.01	269.02	5154.00	617.25	-2876.87	2933.32	0.00	0.00	0.00	
8000.00	92.01	269.02	5150.50	615.53	-2976.80	3032.13	0.00	0.00	0.00	
8100.00	92.01	269.02	5146.99	613.82	-3076.72	3130.94	0.00	0.00	0.00	
8200.00	92.01	269.02	5143.49	612.10	-3176.64	3229.76	0.00	0.00	0.00	
8300.00	92.01	269.02	5139.98	610.38	-3276.57	3328.57	0.00	0.00	0.00	
8400.00	92.01	269.02	5136.48	608.67	-3376.49	3427.38	0.00	0.00	0.00	
8500.00	92.01	269.02	5132.97	606.95	-3476.42	3526.20	0.00	0.00	0.00	
8600.00	92.01	269.02	5129.47	605.23	-3576.34	3625.01	0.00	0.00	0.00	
8700.00	92.01	269.02	5125.96	603.51	-3676.26	3723.83	0.00	0.00	0.00	
8800.00	92.01	269.02	5122.46	601.80	-3776.19	3822.64	0.00	0.00	0.00	
8900.00	92.01	269.02	5118.95	600.08	-3876.11	3921.45	0.00	0.00	0.00	
9000.00	92.01	269.02	5115.44	598.36	-3976.03	4020.27	0.00	0.00	0.00	
9100.00	92.01	269.02	5111.94	596.65	-4075.96	4119.08	0.00	0.00	0.00	
9200.00	92.01	269.02	5108.43	594.93	-4175.88	4217.90	0.00	0.00	0.00	
9300.00	92.01	269.02	5104.93	593.21	-4275.81	4316.71	0.00	0.00	0.00	
9400.00	92.01	269.02	5101.42	591.50	-4375.73	4415.52	0.00	0.00	0.00	
9440.60	92.00	269.02	5100.00	590.80	-4416.30	4455.64	0.02	-0.02	0.01	PBHL

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
PBHL		5100.00	590.80	-4416.30	702722.10	476516.80	32	55	54.607	N	104	24 35.536 W

Annotation

MD ft	TVD ft	
4320.00	4320.00	KOP @ 4320' MD
5843.63	5190.00	EOC @ 5843' MD, 5160' TVD, Begin Turn
6839.63	5190.00	End Turn, Begin Build
6906.59	5188.83	End Build @ 6907' MD, 92°



COMPANY DETAILS

EOG Resources
4000 N. Big Spring, Ste. 500
Midland, TX 79705

Calculation Method: Minimum Curvature
Error System: Systematic Ellipse
Scan Method: Closest Approach 3D
Error Surface: Elliptical Conic
Warning Method: Error Ratio



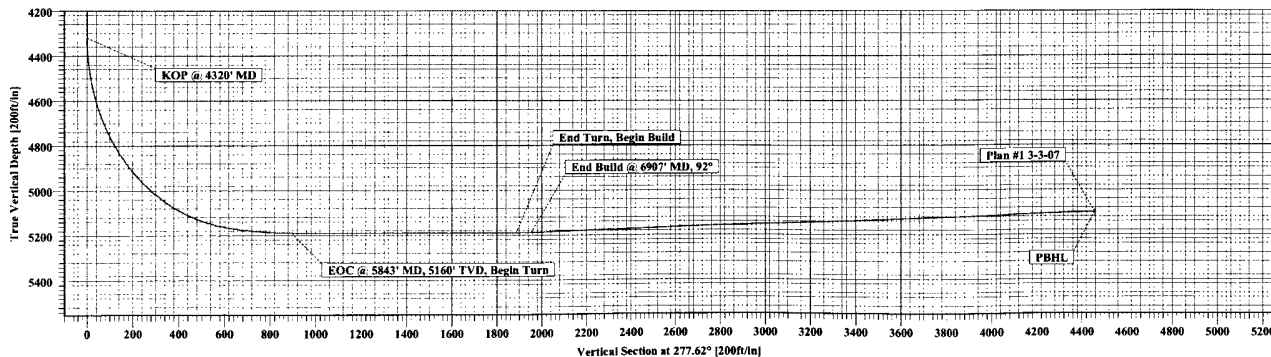
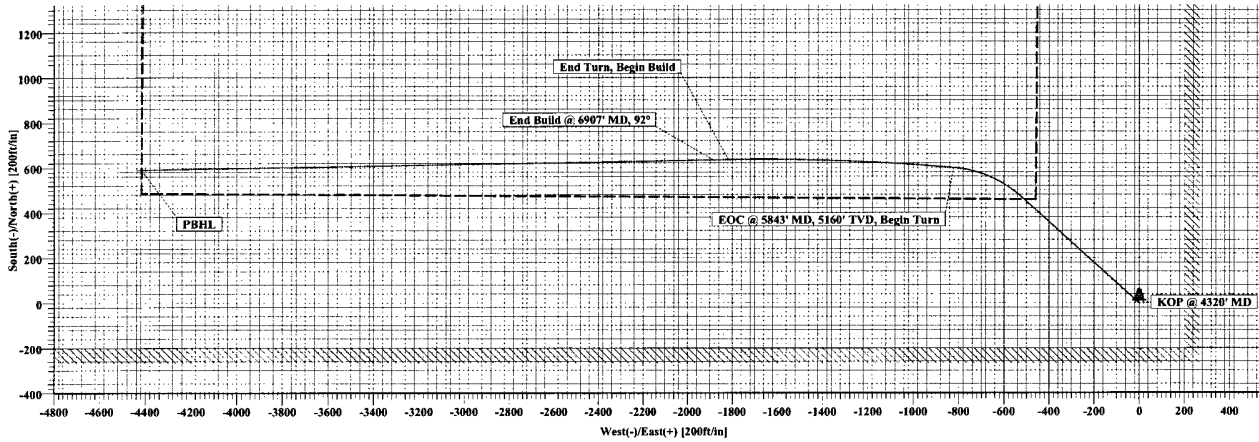
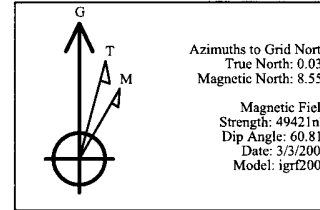
Field: Orinoco B 8 Fee #2H
Site: Orinoco B 8 Fee #2H
Well: Orinoco B 8 Fee #2H
Wellpath: OH
Plan: Plan #1 3-3-07

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Orinoco B 8 Fee #2H	0.00	0.00	702131.30	480933.10	32°55'48.789N	104°23'43.714W	N/A

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4320.00	0.00	0.00	4320.00	0.00	0.00	0.00	0.00	0.00	
3	5510.95	80.00	312.00	5160.00	471.63	-523.80	6.72	312.00	581.71	
4	5843.63	90.00	275.00	5190.00	600.53	-822.34	11.46	282.98	894.71	
5	6839.63	90.00	269.02	5190.00	635.45	-1817.28	0.60	270.00	1885.49	
6	6906.59	92.01	269.02	5188.83	634.30	-1884.22	3.00	-0.12	1951.69	
7	9440.27	92.01	269.02	5100.01	590.81	-4415.97	0.00	0.00	4455.32	
8	9440.60	92.00	269.02	5100.00	590.80	-4416.30	3.00	153.94	4455.64	PBHL



SITE DETAILS

Orinoco B 8 Fee #2H

Site Centre Northing: 702131.30
Easting: 480933.10

Ground Level: 3353.00
Positional Uncertainty: 0.00
Convergence: -0.03

FIELD DETAILS

Orinoco B 8 Fee #2H

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: igrf2005

System Datum: Mean Sea Level
Local North: Grid North

ANNOTATIONS

No.	TVD	MD	Annotation
1	4320.00	4320.00	KOP @ 4320' MD
2	5190.00	5843.63	EOC @ 5843' MD, 5160' TVD, Begin Turn
3	5190.00	6839.63	End Turn, Begin Build
4	5188.83	6906.59	End Build @ 6907' MD, 92°