

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
811 South First, 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
2040 South Pacheco
Santa Fe, New Mexico 87505

Form C-105
Revised 1-1-89

WELL API NO. 30-015-34165	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No. V-5652	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____					7. Lease Name or Unit Agreement Name Brazos State				
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ Deepen ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER <u>RECEIVED</u>					8. Well No. 1				
2. Name of Operator Mack Energy Corporation					9. Pool name or Wildcat Wolfcamp				
3. Address of Operator P.O. Box 960, Artesia, NM 88211-0960									
4. Well Location Unit Letter <u>D</u> : <u>660</u> Feet From The <u>North</u> Line and <u>660</u> Feet From The <u>West</u> Line Section <u>18</u> Township <u>18S</u> Range <u>24E</u> NMPM <u>Eddy</u> County									
10. Date Spudded 7/15/2005		11. Date TD Reached 9/29/2005		12. Date Compl. (Ready to Prod.) 12/14/2005		13. Elevations (DF & RKB, RT, GR, etc.) 3871' GR		14. Elev. Casinghead 3855' GR	
15. Total Depth 8243		16. Plug Back TD 8196		17. If Multiple Compl. How Many Zones?		18. Intervals Drilled By Rotary Tools Yes		Cable Tools	
19. Producing Interval(s), of this completion - Top, Bottom, Name 5479-7431' Wolfcamp								20. Was Directional Survey Made Yes	
21. Type Electric and Other Logs Run Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray								22. Was Well Cored No	

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	36	1235	12 1/4	980 sx	None
7	26	5200	8 3/4	1100 sx	None
4 1/2	11.6	8242	6 1/8	625 sx	None

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	4614	

26. Perforation record (interval, size, and number) 5479-7431', .42, 90	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
		See C-103 for detail

PRODUCTION

28. Date First Production 1/19/2006		Production Method (Flowing, gas lift, pumping - Size and type pump) 2 x 1 1/2 x 20' pump				Well Status (Prod. or Shut-in) Producing	
Date of Test 1/28/2006	Hours Tested 24 hours	Choke Size	Prod'n For Test Period	Oil - Bbl. 0	Gas - MCF 186	Water- Bbl. 13	Gas - Oil Ratio 0
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 0	Gas - MCF 186	Water- Bbl. 13	Oil Gravity - API - (Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						Test Witnessed By Robert C. Chase	

30. List Attachments

Deviation Survey and Logs

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Jerry W. Sherrell Printed Name Jerry W. Sherrell Title Production Clerk Date 2/20/2006

• • •

filed in quintuplicate except on state land, where six copies are required. See Rule 1105

Southeastern New Mexico Northwestern New Mexico

OIL OR GAS SANDS OR ZONES

..... IMPORTANT WATER SANDS

No. 1, from to feet.....
 No. 2, from to feet.....
 No. 3, from to feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology

L & M DRILLING, INC.

OIL WELL DRILLING CONTRACTORS

PO BOX 1370 ARTESIA, NEW MEXICO 88211-1370
(505) 746-4405 746-3518 748-2205

August 17, 2005

Mack Energy Corporation
PO Drawer 960
Artesia, NM 88211-0960

RE: Brazos State #1
660' FNL & 660' FWL
Sec. 18, T18S, R24E
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

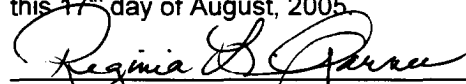
DEPTH	DEVIATION	DEPTH	DEVIATION
300'	1 1/2°	2599'	1/2°
457'	2°	3109	3/4°
700'	1 1/4°	3605'	1/2°
977'	1 1/4°	4107'	1°
1193'	1°	4577'	1 3/4°
1635'	3/4°	4957'	1 1/4°
2134'	1/2°	5187'	1 3/4°

Very truly yours,


Eddie C. LaRue
Vice President

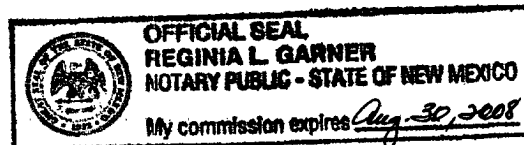
STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 17th day of August, 2005.

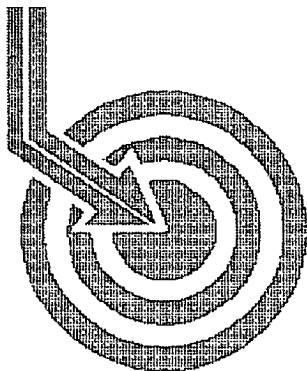

Regina L. Garner
Notary Public

RECEIVED

AUG 18 2005



05000 SERVING SOUTHEAST NEW MEXICO AND WEST TEXAS SINCE 1978



Scientific Drilling

MACK ENERGY

Field: Antelope Sink
Site: Eddy County, NM
Well: Brazos State #1
Wellpath: DH - Job #32D0905659
Survey: 09/08/05-09/28/05

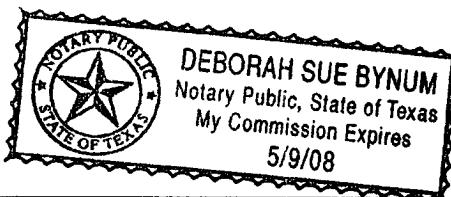
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Chas. H. Hester*.....Company Representative

Notorized this date 19th of November, 2005.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: MACK ENERGY
Field: Antelope Sink
Site: Eddy County, NM
Well: Brazos State #1
Wellpath: DH - Job #32D0905659

Date: 11/19/2005 Time: 14:52:18 Page: 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 09/08/05-09/28/05
MWD 4658'-8243'

Start Date: 9/8/2005

Company: Scientific Drilling Internatio
Tool: MWD;MWD

Engineer: Hoffman/SuttonHarvell/Foley
Tied-to: User Defined

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4658.00	1.67	72.44	4657.49	-5.46	5.46	-5.69	0.00	7.89	313.82
4701.00	10.61	172.00	4700.24	-1.72	1.72	-4.54	25.60	4.85	290.73
4731.00	20.10	173.50	4729.14	6.16	-6.16	-3.57	31.66	7.12	210.09
4754.00	27.97	173.00	4750.13	15.45	-15.45	-2.46	34.23	15.65	189.05
4782.00	36.73	175.20	4773.76	30.34	-30.34	-0.96	31.56	30.36	181.81
4819.00	48.10	177.10	4801.04	55.20	-55.20	0.67	30.92	55.21	179.30
4839.00	53.38	176.30	4813.69	70.66	-70.66	1.57	26.58	70.67	178.73
4849.00	56.19	175.79	4819.45	78.81	-78.81	2.13	28.41	78.83	178.45
4867.00	60.94	175.61	4828.84	94.12	-94.12	3.28	26.40	94.17	178.00
4897.00	68.94	176.14	4841.54	121.20	-121.20	5.23	26.71	121.31	177.53
4907.00	71.14	176.49	4844.95	130.58	-130.58	5.83	22.24	130.71	177.44
4935.00	75.36	178.80	4853.02	157.36	-157.36	6.93	17.02	157.51	177.48
4965.00	80.28	180.60	4859.35	186.67	-186.67	7.08	17.42	186.81	177.83
4995.00	84.94	181.41	4863.20	216.41	-216.41	6.56	15.76	216.51	178.26
5040.00	91.19	182.64	4864.72	261.34	-261.34	4.97	14.15	261.38	178.91
5080.00	93.21	182.47	4863.19	301.26	-301.26	3.18	5.07	301.28	179.39
5115.00	93.74	182.50	4861.06	336.17	-336.17	1.67	1.52	336.17	179.72
5147.00	93.91	182.30	4858.93	368.07	-368.07	0.33	0.82	368.07	179.95
5179.00	93.65	180.30	4856.82	399.99	-399.99	-0.39	6.29	399.99	180.06
5210.00	92.86	180.27	4855.06	430.94	-430.94	-0.55	2.55	430.94	180.07
5241.00	92.42	179.83	4853.63	461.90	-461.90	-0.57	2.01	461.90	180.07
5273.00	92.33	180.44	4852.31	493.88	-493.88	-0.65	1.93	493.88	180.08
5305.00	92.68	180.53	4850.91	525.84	-525.84	-0.92	1.13	525.85	180.10
5336.00	93.83	180.80	4849.15	556.79	-556.79	-1.28	3.81	556.79	180.13
5368.00	93.91	180.30	4846.99	588.72	-588.72	-1.58	1.58	588.72	180.15
5399.00	94.00	179.50	4844.85	619.64	-619.64	-1.53	2.59	619.65	180.14
5431.00	92.07	179.65	4843.16	651.60	-651.60	-1.29	6.05	651.60	180.11
5461.00	91.89	179.60	4842.12	681.58	-681.58	-1.10	0.62	681.58	180.09
5494.00	92.42	179.40	4840.88	714.55	-714.55	-0.81	1.72	714.55	180.06
5526.00	93.74	179.48	4839.16	746.50	-746.50	-0.50	4.13	746.50	180.04
5558.00	94.18	179.13	4836.95	778.43	-778.43	-0.11	1.76	778.43	180.01
5589.00	94.79	178.77	4834.52	809.33	-809.33	0.46	2.28	809.33	179.97
5632.00	94.35	178.90	4831.10	852.18	-852.18	1.33	1.07	852.18	179.91
5684.00	94.18	179.39	4827.23	904.03	-904.03	2.10	0.99	904.03	179.87
5716.00	93.47	179.57	4825.10	935.96	-935.96	2.39	2.29	935.96	179.85
5748.00	91.54	179.00	4823.70	967.92	-967.92	2.79	6.29	967.93	179.83
5780.00	90.48	180.10	4823.13	999.91	-999.91	3.04	4.77	999.92	179.83
5811.00	90.57	180.44	4822.85	1030.91	-1030.91	2.90	1.13	1030.92	179.84
5843.00	88.81	180.27	4823.02	1062.91	-1062.91	2.70	5.53	1062.91	179.85
5907.00	86.53	180.60	4825.62	1126.85	-1126.85	2.21	3.60	1126.85	179.89
5939.00	86.88	180.30	4827.46	1158.80	-1158.80	1.96	1.44	1158.80	179.90
5970.00	86.44	180.27	4829.27	1189.74	-1189.74	1.81	1.42	1189.75	179.91
6003.00	84.86	180.97	4831.77	1222.65	-1222.65	1.45	5.23	1222.65	179.93
6034.00	85.30	180.80	4834.43	1253.53	-1253.53	0.98	1.52	1253.53	179.96
6066.00	84.94	180.71	4837.15	1285.41	-1285.41	0.55	1.16	1285.41	179.98
6098.00	85.30	180.27	4839.88	1317.29	-1317.29	0.28	1.77	1317.29	179.99
6130.00	85.47	180.01	4842.45	1349.19	-1349.19	0.20	0.97	1349.19	179.99
6161.00	85.12	179.83	4844.99	1380.08	-1380.08	0.25	1.27	1380.08	179.99
6193.00	85.30	180.09	4847.67	1411.97	-1411.97	0.27	0.99	1411.97	179.99



Scientific Drilling International

Survey Report

Company: MACK ENERGY
 Field: Antelope Sink
 Site: Eddy County, NM
 Well: Brazos State #1
 Wellpath: DH - Job #32D0905659

Date: 11/19/2005 Time: 14:52:18 Page: 2
 Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
6225.00	86.00	180.36	4850.09	1443.88	-1443.88	0.14	2.34	1443.88	179.99
6257.00	87.76	180.97	4851.83	1475.83	-1475.83	-0.23	5.82	1475.83	180.01
6320.00	86.26	180.36	4855.12	1538.74	-1538.74	-0.96	2.57	1538.74	180.04
6352.00	86.61	180.80	4857.11	1570.67	-1570.67	-1.28	1.75	1570.67	180.05
6384.00	87.14	180.88	4858.85	1602.62	-1602.62	-1.75	1.67	1602.62	180.06
6416.00	86.70	180.40	4860.57	1634.57	-1634.57	-2.11	2.03	1634.57	180.07
6446.00	86.09	180.18	4862.46	1664.51	-1664.51	-2.26	2.16	1664.51	180.08
6478.00	85.90	180.80	4864.70	1696.43	-1696.43	-2.53	2.02	1696.44	180.09
6511.00	86.09	180.36	4867.00	1729.35	-1729.35	-2.86	1.45	1729.35	180.09
6542.00	86.53	180.36	4869.00	1760.29	-1760.29	-3.06	1.42	1760.29	180.10
6574.00	86.79	179.74	4870.86	1792.23	-1792.23	-3.09	2.10	1792.23	180.10
6606.00	86.88	180.88	4872.63	1824.18	-1824.18	-3.26	3.57	1824.19	180.10
6639.00	87.05	180.80	4874.37	1857.13	-1857.13	-3.74	0.57	1857.14	180.12
6669.00	86.88	180.71	4875.96	1887.09	-1887.09	-4.14	0.64	1887.09	180.13
6701.00	87.05	180.27	4877.66	1919.04	-1919.04	-4.41	1.47	1919.05	180.13
6732.00	87.41	180.53	4879.15	1950.00	-1950.00	-4.63	1.43	1950.01	180.14
6764.00	87.85	180.53	4880.48	1981.98	-1981.98	-4.92	1.37	1981.98	180.14
6796.00	90.22	179.30	4881.02	2013.97	-2013.97	-4.87	8.34	2013.97	180.14
6828.00	89.96	179.92	4880.97	2045.97	-2045.97	-4.66	2.10	2045.97	180.13
6860.00	92.07	179.48	4880.40	2077.96	-2077.96	-4.49	6.74	2077.96	180.12
6892.00	92.42	179.21	4879.15	2109.93	-2109.93	-4.12	1.38	2109.94	180.11
6924.00	92.68	179.21	4877.72	2141.90	-2141.90	-3.68	0.81	2141.90	180.10
6955.00	92.86	179.13	4876.22	2172.86	-2172.86	-3.23	0.64	2172.86	180.09
6986.00	92.77	179.48	4874.70	2203.82	-2203.82	-2.86	1.16	2203.82	180.07
7018.00	92.77	179.30	4873.16	2235.78	-2235.78	-2.52	0.56	2235.78	180.06
7050.00	93.03	178.69	4871.54	2267.73	-2267.73	-1.96	2.07	2267.73	180.05
7082.00	92.95	178.50	4869.87	2299.68	-2299.68	-1.17	0.64	2299.68	180.03
7114.00	93.03	178.25	4868.20	2331.62	-2331.62	-0.27	0.82	2331.62	180.01
7146.00	93.12	177.98	4866.48	2363.56	-2363.56	0.78	0.89	2363.56	179.98
7178.00	93.30	178.16	4864.69	2395.49	-2395.49	1.86	0.79	2395.49	179.96
7210.00	92.68	179.00	4863.02	2427.44	-2427.44	2.65	3.26	2427.44	179.94
7241.00	93.30	179.74	4861.40	2458.39	-2458.39	2.99	3.11	2458.40	179.93
7272.00	92.68	180.18	4859.79	2489.35	-2489.35	3.01	2.45	2489.35	179.93
7304.00	93.12	179.65	4858.17	2521.31	-2521.31	3.06	2.15	2521.31	179.93
7336.00	93.30	179.57	4856.38	2553.26	-2553.26	3.28	0.62	2553.26	179.93
7369.00	92.24	180.27	4854.78	2586.22	-2586.22	3.32	3.85	2586.22	179.93
7401.00	91.63	180.18	4853.70	2618.20	-2618.20	3.20	1.93	2618.20	179.93
7433.00	91.78	180.44	4852.75	2650.19	-2650.19	3.03	0.94	2650.19	179.93
7465.00	90.92	180.18	4851.99	2682.18	-2682.18	2.85	2.81	2682.18	179.94
7496.00	90.84	180.18	4851.52	2713.17	-2713.17	2.75	0.26	2713.17	179.94
7527.00	90.92	180.44	4851.04	2744.17	-2744.17	2.59	0.88	2744.17	179.95
7560.00	92.77	181.32	4849.98	2777.15	-2777.15	2.08	6.21	2777.15	179.96
7592.00	93.83	181.06	4848.14	2809.09	-2809.09	1.42	3.41	2809.09	179.97
7624.00	93.91	181.41	4845.98	2841.01	-2841.01	0.73	1.12	2841.01	179.99
7655.00	92.24	180.88	4844.32	2871.95	-2871.95	0.11	5.65	2871.95	180.00
7695.00	92.07	180.36	4842.81	2911.92	-2911.92	-0.32	1.37	2911.92	180.01
7719.00	90.40	180.00	4842.29	2935.92	-2935.92	-0.40	7.12	2935.92	180.01
7751.00	90.48	179.83	4842.05	2967.92	-2967.92	-0.35	0.59	2967.92	180.01
7782.00	89.34	179.57	4842.10	2998.91	-2998.91	-0.19	3.77	2998.91	180.00
7814.00	88.46	179.50	4842.71	3030.91	-3030.91	0.07	2.76	3030.91	180.00
7846.00	88.90	179.70	4843.45	3062.90	-3062.90	0.30	1.51	3062.90	179.99
7878.00	87.58	179.60	4844.43	3094.88	-3094.88	0.49	4.14	3094.88	179.99



Scientific
Drilling

Scientific Drilling International

Survey Report

Company: MACK ENERGY
Field: Antelope Sink
Site: Eddy County, NM
Well: Brazos State #1
Wellpath: DH - Job #32D0905659

Date: 11/19/2005 Time: 14:52:18 Page: 3
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

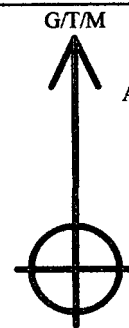
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
7910.00	87.14	180.01	4845.90	3126.85	-3126.85	0.60	1.88	3126.85	179.99
7942.00	87.67	179.92	4847.35	3158.81	-3158.81	0.62	1.68	3158.81	179.99
7974.00	87.76	180.36	4848.63	3190.79	-3190.79	0.54	1.40	3190.79	179.99
8005.00	87.76	180.36	4849.84	3221.76	-3221.76	0.35	0.00	3221.76	179.99
8037.00	87.14	180.44	4851.26	3253.73	-3253.73	0.12	1.95	3253.73	180.00
8076.00	86.09	180.80	4853.57	3292.66	-3292.66	-0.30	2.85	3292.66	180.01
8108.00	88.11	181.60	4855.19	3324.61	-3324.61	-0.97	6.79	3324.61	180.02
8140.00	89.16	182.64	4855.95	3356.58	-3356.58	-2.15	4.62	3356.58	180.04
8172.00	89.69	183.08	4856.27	3388.54	-3388.54	-3.75	2.15	3388.54	180.06
8203.00	89.43	182.82	4856.51	3419.50	-3419.50	-5.34	1.19	3419.50	180.09
8243.00	89.43	182.82	4856.91	3459.44	-3459.44	-7.31	0.00	3459.45	180.12



**Scientific
Drilling**

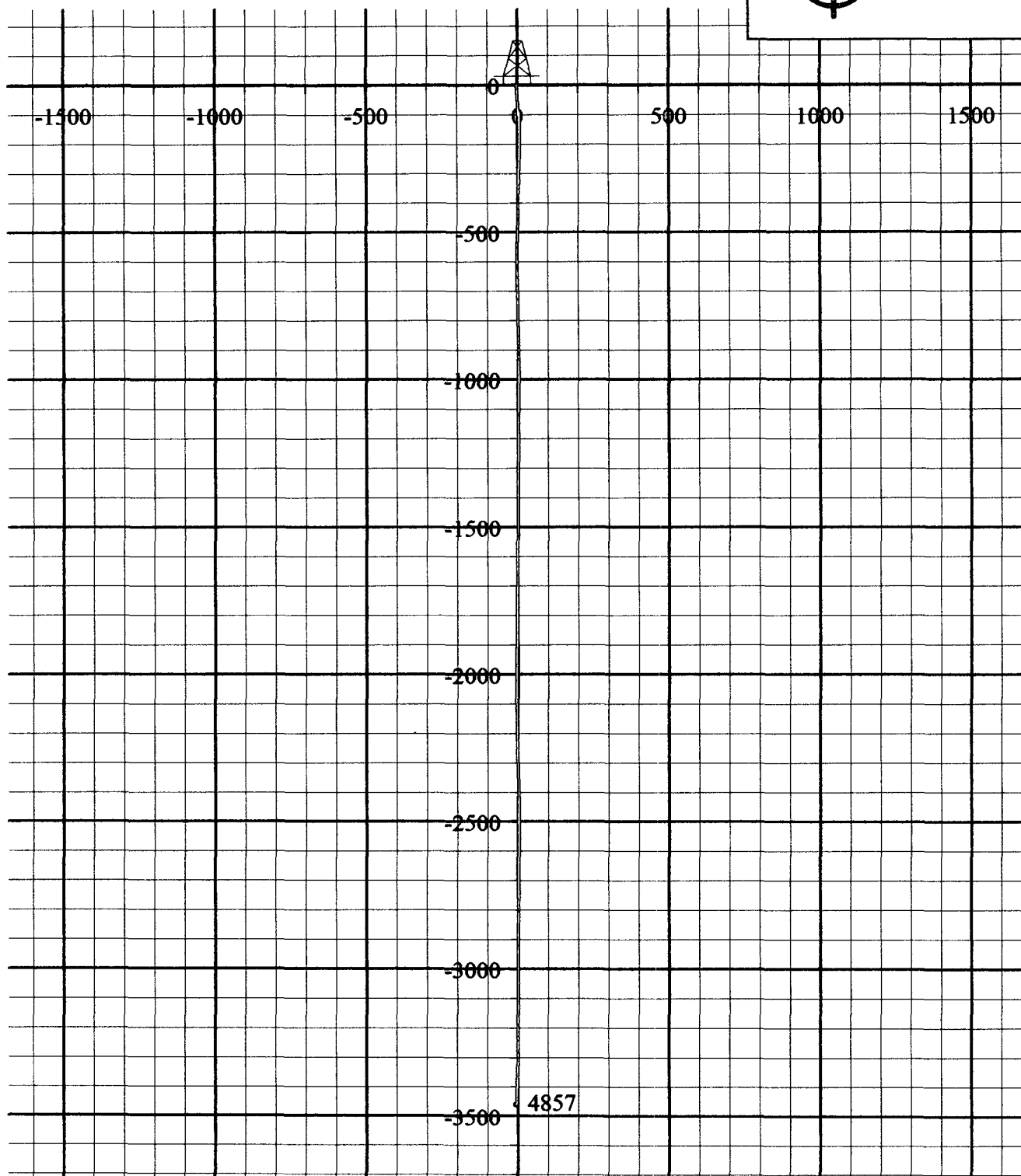
Field: Antelope Sink
Site: Eddy County, NM
Well: Brazos State #1
Wellpath: DH - Job #32D0905659
Survey: 09/08/05-09/28/05



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 11/19/2005
Model: igrf2000

South(-)/North(+) [500ft/in]



West(-)/East(+) [500ft/in]