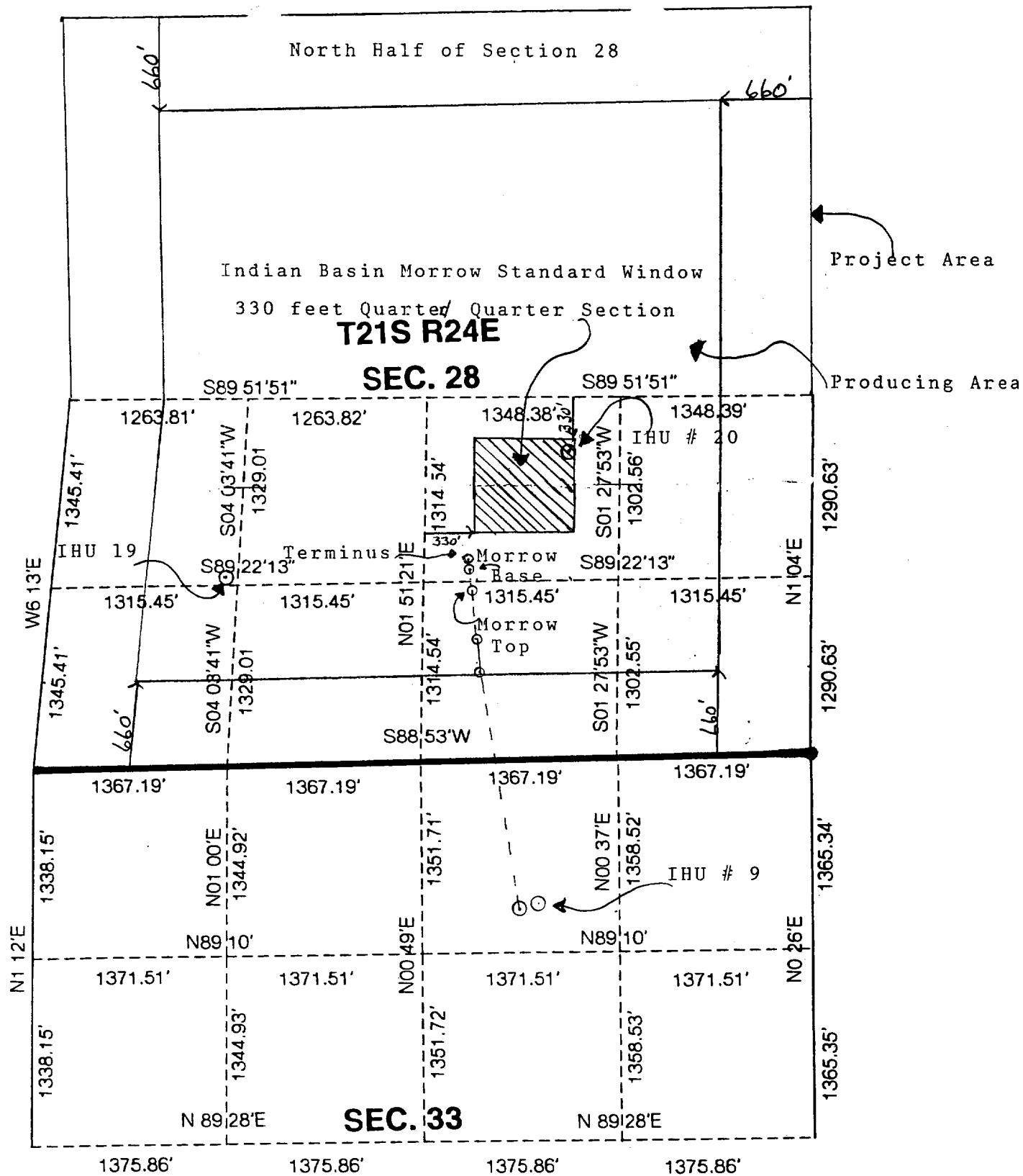
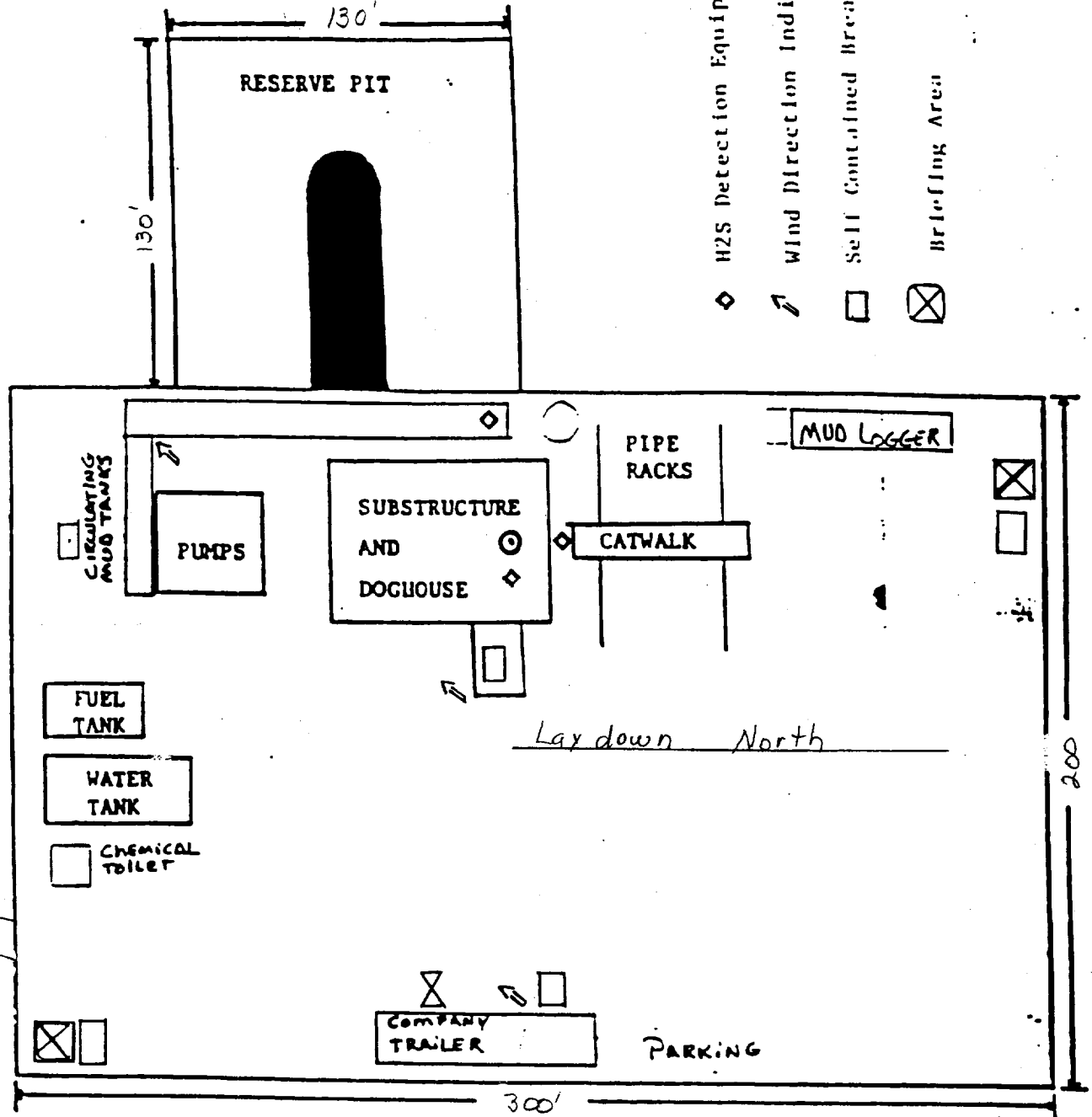




1- Inch= 1000 feet

Indian Hills U. # 35

Existing lease Road

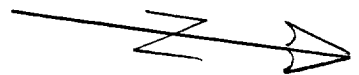


- ◆ H2S Detection Equipment
- ↗ Wind Direction Indicator
- Self Contained Breathing Equip
- ⊗ Briefing Area

Access

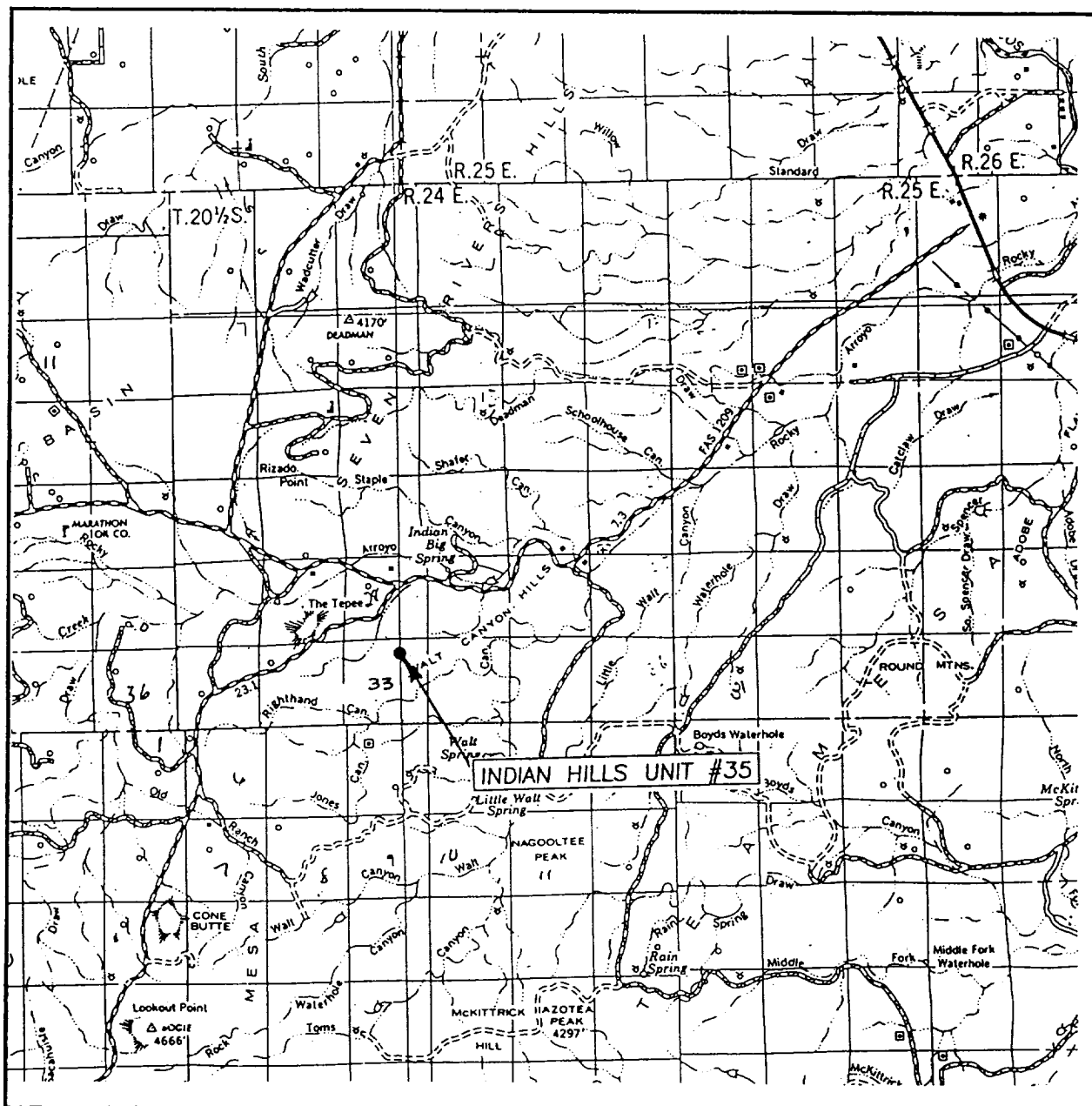


Prevailing Wind Direction
Southwest



Foot-path for emergency
egress

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 33 TWP. 21-S RGE. 24-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1087' FNL 2037' FEL

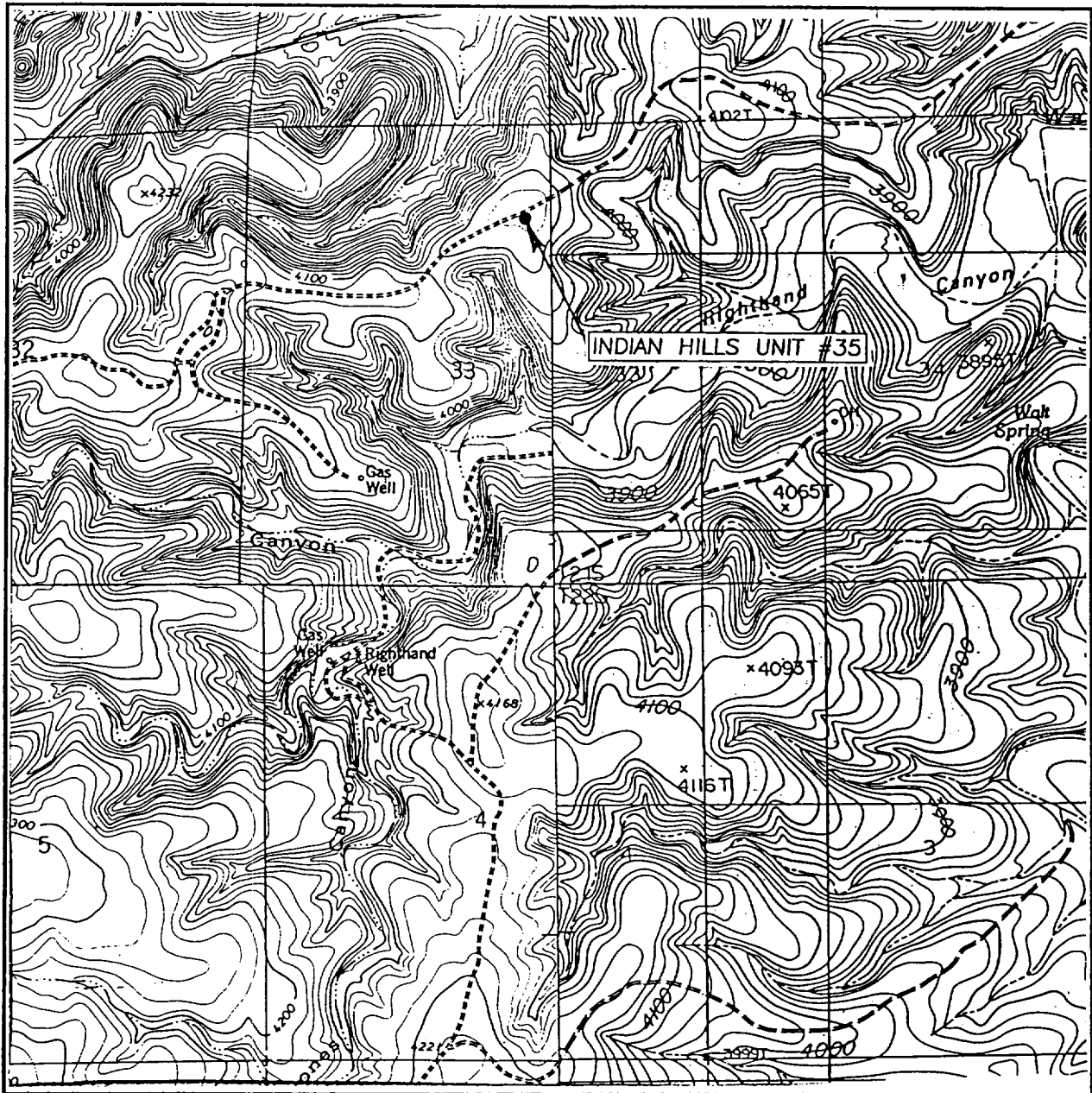
ELEVATION 4123'

OPERATOR MARATHON OIL COMPANY

LEASE INDIAN HILLS UNIT

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 20'

SEC. 33 TWP. 21-S RGE. 24-E

AZOTEA PEAK, N.M.

SURVEY N.M.P.M.

MARTHA CREEK N.M.

COUNTY EDDY

DESCRIPTION 1087' FNL 2037' FEL

ELEVATION 4123'

OPERATOR MARATHON OIL COMPANY

LEASE INDIAN HILLS UNIT

U.S.G.S. TOPOGRAPHIC MAP
AZOTEA PEAK, N.M. MARTHA CREEK N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117



INTEQ

APPROVAL
Operations: _____
Client: _____
Date: _____

Marathon Oil Company

Structure : INDIAN HILLS UNIT #35

Slot : slot #1

Field : INDIAN BASIN

Location : Eddy County New Mexico

Created by land

Date plotted : 1-Oct-2001

Plot Reference is PROPOSAL #1.

Coordinates are in feet reference slot #1.

True Vertical Depths are reference rotary table.

MAIHU35R3

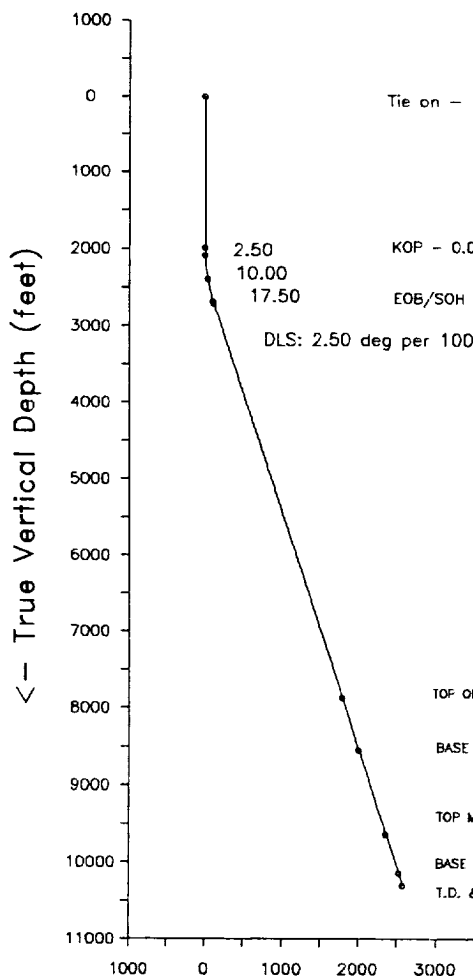
--- Baker Hughes INTEQ ---

WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	351.24	0.00	0.00	0.00	0.00	0.00
KOP	1990.00	0.00	351.24	1990.00	0.00	0.00	0.00	0.00
End of Build	2710.13	18.00	351.24	2698.34	110.90	-17.09	112.21	2.50
Target TOP OF UPPER PE	8148.04	18.00	351.24	7870.00	1772.00	-273.00	1792.91	0.00
End of Drop	8863.04	18.00	351.24	8550.00	1990.39	-306.64	2013.87	0.00
End of Hold	10009.13	18.00	351.24	9640.00	2340.42	-360.57	2368.04	0.00
End of Hold	10534.86	18.00	351.24	10140.00	2500.99	-385.31	2530.50	0.00
T.D. & End of Hold	10703.10	18.00	351.24	10300.00	2552.37	-393.22	2582.48	0.00

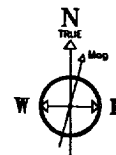
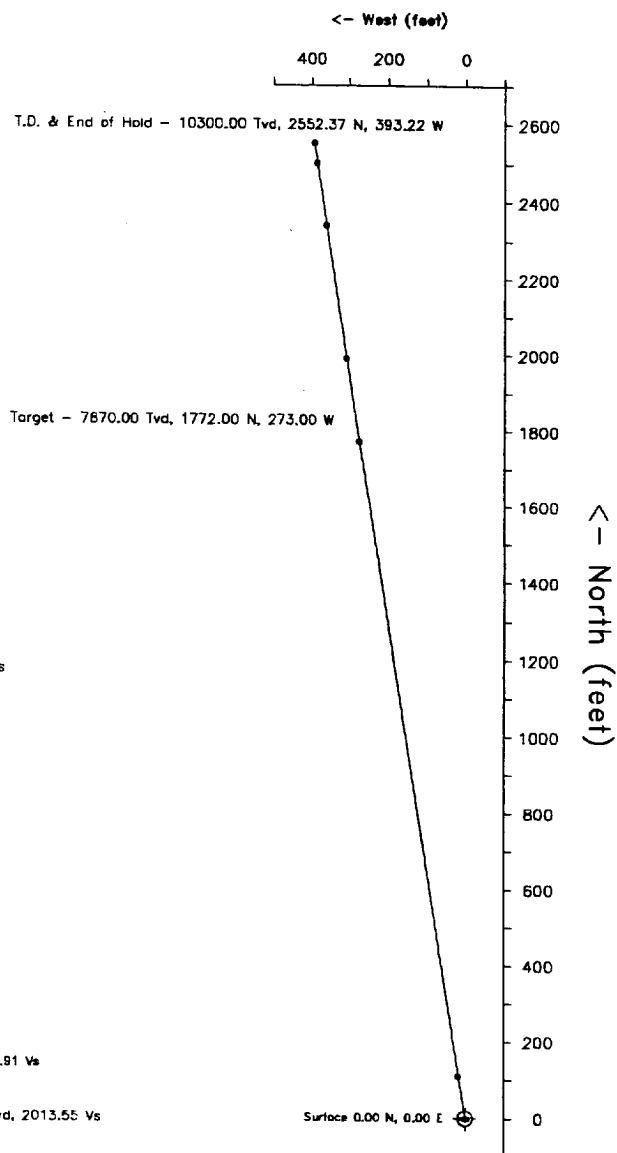
V.S. REF: 351.24 DEG
FROM SHL TO PBHL

PROPOSED BHL 2582.48'
ON AZI 351.24 DEG
FROM SHL 1087' FNL 2037' FEL
M.D: 10703.10
T.V.D: 10300.00



Vertical Section (feet) ->

Azimuth 351.24 with reference 0.00 N, 0.00 E from slot #1



20-Sep-2001 (source: BGM)
Magnetic North is 0.16 degrees East of TRUE North
To correct azimuth from Magnetic to TRUE add 0.16 deg

Marathon Oil Company
INDIAN HILLS UNIT #35

slot #1
INDIAN BASIN
Eddy County New Mexico

P R O P O S A L L I S T I N G

by
Baker Hughes INTEQ

Your ref : PROPOSAL #1
Our ref : prop2954
License :

Date printed : 1-Oct-2001
Date created : 20-Sep-2001
Last revised : 1-Oct-2001

Field is centred on n32 30 0.000,w104 30 0
Structure is centred on n32 30 0.000,w104 30 0

Slot location is n32 30 0.000,w104 30 0.000
Slot Grid coordinates are N 545652.918, E 448616.515
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is True North

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
0.00	0.00	351.24	0.00	0.00 N 0.00 E	0.00	0.00
500.00	0.00	351.24	500.00	0.00 N 0.00 E	0.00	0.00
1000.00	0.00	351.24	1000.00	0.00 N 0.00 E	0.00	0.00
1500.00	0.00	351.24	1500.00	0.00 N 0.00 E	0.00	0.00
1990.00	0.00	351.24	1990.00	0.00 N 0.00 E	0.00	0.00 KOP
2090.00	2.50	351.24	2089.97	2.16 N 0.33 W	2.50	2.18
2190.00	5.00	351.24	2189.75	8.62 N 1.33 W	2.50	8.72
2290.00	7.50	351.24	2289.14	19.38 N 2.99 W	2.50	19.61
2390.00	10.00	351.24	2387.97	34.41 N 5.30 W	2.50	34.82
2490.00	12.50	351.24	2486.04	53.69 N 8.27 W	2.50	54.33
2590.00	15.00	351.24	2583.17	77.18 N 11.89 W	2.50	78.09
2690.00	17.50	351.24	2679.17	104.84 N 16.15 W	2.50	106.07
2710.00	18.00	351.24	2698.21	110.86 N 17.08 W	2.50	112.17 EOB/SOH
2710.13	18.00	351.24	2698.34	110.90 N 17.09 W	2.50	112.21
3000.00	18.00	351.24	2974.02	199.45 N 30.73 W	0.00	201.80
3500.00	18.00	351.24	3449.54	352.18 N 54.26 W	0.00	356.34
4000.00	18.00	351.24	3925.06	504.91 N 77.79 W	0.00	510.87
4500.00	18.00	351.24	4400.57	657.65 N 101.32 W	0.00	665.41
5000.00	18.00	351.24	4876.09	810.38 N 124.85 W	0.00	819.94
5500.00	18.00	351.24	5351.61	963.11 N 148.38 W	0.00	974.48
6000.00	18.00	351.24	5827.13	1115.85 N 171.91 W	0.00	1129.01
6500.00	18.00	351.24	6302.65	1268.58 N 195.44 W	0.00	1283.55
7000.00	18.00	351.24	6778.17	1421.31 N 218.97 W	0.00	1438.08
7500.00	18.00	351.24	7253.69	1574.05 N 242.50 W	0.00	1592.62
8000.00	18.00	351.24	7729.21	1726.78 N 266.03 W	0.00	1747.15

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 2582.48 on azimuth 351.24 degrees from wellhead.
Vertical section is from wellhead on azimuth 351.24 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

Marathon Oil Company
INDIAN HILLS UNIT #35, slot #1
INDIAN BASIN, Eddy County New Mexico

PROPOSAL LISTING Page 2
Your ref : PROPOSAL #1
Last revised : 1-Oct-2001

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect	TOP OF UPPER PEN	BASE OF UPPER PEN	
8148.04	18.00	351.24	7870.00	1772.00 N	0.00	1792.91	685' FSL *	2310' FEL	
8862.00	18.00	351.24	8549.01	1990.07 N	0.00	2013.55	902' FSL *	2344' FEL	
8863.04	18.00	351.24	8550.00	1990.39 N	0.00	2013.87			
9000.00	18.00	351.24	8680.26	2032.22 N	0.00	2056.20			
9500.00	18.00	351.24	9155.79	2184.93 N	0.00	2210.71			
10000.00	18.00	351.24	9631.32	2337.63 N	0.00	2365.21			
10008.00	18.00	351.24	9638.92	2340.08 N	0.00	2367.69	1252' FSL *	2397' FEL	
10009.13	18.00	351.24	9640.00	2340.42 N	0.00	2368.04			
10500.00	18.00	351.24	10106.84	2490.34 N	0.00	2519.72			
10534.52	18.00	351.24	10139.67	2500.88 N	0.00	2530.39	1413' FSL *	2422' FEL	
10534.86	18.00	351.24	10140.00	2500.99 N	0.00	2530.50			
10703.10	18.00	351.24	10300.00	2552.37 N	0.00	2582.48	T.O. 1464' FSL *	2430' FEL	

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 2582.48 on azimuth 351.24 degrees from wellhead.
Vertical section is from wellhead on azimuth 351.24 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

Marathon Oil Company
INDIAN HILLS UNIT #35,slot #1
INDIAN BASIN,Eddy County New Mexico

PROPOSAL LISTING Page 3
Your ref : PROPOSAL #1
Last revised : 1-Oct-2001

Comments in wellpath

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MD	TVD	Rectangular Coords.	Comment
1990.00	1990.00	0.00 N	0.00 E KOP
2710.00	2698.21	110.86 N	17.08 W EOB/SOH
8148.04	7870.00	1772.00 N	273.00 W TOP OF UPPER PEN
8862.00	8549.01	1990.07 N	306.60 W BASE OF UPPER PENN
10008.00	9638.92	2340.08 N	360.52 W TOP MORROW
10534.52	10139.67	2500.88 N	385.29 W BASE MORROW

Targets associated with this wellpath

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Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
TOP OF UPPER PEN		7870.00	1772.00N	273.00W 20-Sep-2001