

District I
1625 N. French, 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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-015-33030

5. Indicate Type Of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

V-992

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____

b. Type of Completion:

NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF. ☐ OTHER
WELL ☒ OVER ☐ BACK ☐ RESVR. ☐

RECEIVED

DEC 20 2004

ARTESIA 7

2. Name of Operator

Marathon Oil Company

3. Address of Operator

P.O. Box 3487 Houston, TX 77253-3487

4. Well Location

Unit Letter **A** : **968'** Feet From The **North** Line and **1218'** Feet From The **East** Line

Section **32** Township **21S** Range **24E** NMPM **Edgy** County

10. Date Spudded

03/20/2004

11. Date T.D. Reached

04/10/2004

12. Date Compl. (Ready to Prod.)

05/01/2004

13. Elevations (DF & RKB, RT, GR, etc.)

4213' GR

14. Elev. Casinghead

15. Total Depth

8780 MD 8630 TVD

16. Plug Back T.D.

8683 MD 8534 TVD

17. If Multiple Compl. How Many Zones? **1**

18. Intervals Drilled By

Rotary Tools

ALL

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

7859' - 8476' Upper Perm

20. Was Directional Survey Made

Yes

21. Type Electric and Other Logs Run

Density/Neutron/Spectral Gamma Ray

22. Was Well Cored

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	40#	1811'	12 1/4"	1540 sks	
7"	23 & 26 #	8780	8 3/4"	1254 sks	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	8653'	N/A

25. TUBING RECORD

26. Perforation record (interval, size, and number)

7859' - 8476' 301 ft shot @ 4 shots per ft
Total of 1204 shots w/ 23 gram 311T charges
.410 diameter

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
7859' - 8476' 65000 Gal 15% CCA sour acid

28. PRODUCTION

Date First Production **05/01/2004** Production Method (Flowing, gas lift, pumping - Size and type pump) **Pumping** Well Status (Prod. or Shut-in) **Producing**

Date of Test **05/19/2004** Hours Tested **24** Choke Size **N/A** Prod'n For Test Period **43.0** Oil - Bbl. **265** Gas - MCF **1179** Water - Bbl. **6162** Gas - Oil Ratio

Flow Tubing Press. **220** Casing Pressure **160** Calculated 24-Hour Rate **43.0** Oil - Bbl. **265** Gas - MCF **1179** Water - Bbl. **6162** Oil Gravity - API -(Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

Javier Berdoza

30. List Attachments

Logs, Deviation Report, Directional Survey, Perforations Detail, Details of Completion Work

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 **Charles E. Kendrix** Printed Name

E-mail address **cekendrix@marathonoil.com**

Charles E. Kendrix

Title **Engineering Tech** Date **12/08/2004**

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northeastern New Mexico	
T. Anhy	T. Canyon 8027'	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen 483'	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres 1220'	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 2767'	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs 3859'	T. Entrada	T.
T. Abo	T. Yeso 3008'	T. Wingate	T.
T. Wolfcamp 7304'		T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C) 7854'	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____
No. 2, from _____ to _____

No. 3, from ----- to -----
No. 4, from ----- to -----

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

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

**IB "32" State No. 7
Completion Work Detail**

04/22/2004	Rigged up Pulling unit, spotted frac tanks, set and tested two anchors. Rigged up reverse unit. SI
04/23/2004	PU bit and scraper on 2 7/8" work string. RIH to DV tool @ 6917'. Drilled out DV tool, tagged PBTD @ 8683'. Circ. hole clean. SI
04/24/2004	Rigged up Haliburton and pickled tubing w/ 1000 gals 15% HCL. Circ out spent acid. SI for weekend.
04/26/2004	POOH w/ bit and scraper. RU frac valve, lubricator for Baker Atlas perforators. Perforated casing w/ 1204 shots in 311' w/ 17 intervals f/ 7859' to 8476'. Rigged down Baker Atlas. RIH w/ 7 " PPI packers and collar locator on 40 stand kill string. SI.
04/27/2004	Continue in hole w/ PPI packers and collar locator. Locate collar below perfs released collar locator left packers swinging @ 8479'. SI
04/28/2004	Rigged up Haliburton acidized f/ 8476' to 8092' in 2 ft intervals w/ 220 gals per foot 15% CCA sour acid. 40,000 gals total for the day. SI
04/29/2004	Rigged up Haliburton acidized f/ 8092' to 7859' in 2ft intervals w/ 210 gals per ft 15% CCA sour acid. 25,000 gals total for the day. 65,000 gals 15% CCA sour acid total used to complete well. Pulled tubing above top perf SI.
04/30/2004	POOH w/ tubing and PPI packers. RU FC 1200 subpump. RIH on 46 stands. SI
05/01/2004	RIH w/ remaining tubing. Land BHA and pump at 8653'. 2 strings nylon coil treating tubing landed at 7965' & 8373'. Turn well to production.

IB "32" State No. 7
Perforation Details

Interval	Ft / interval	Shots/ interval
7859 - 7864	5	20
7870 - 7879	9	36
7886-7924	38	152
7973 - 7976	3	12
7980 - 7988	8	32
7993 - 8012	19	76
8034 - 8048	14	56
8060 - 8067	7	28
8076 - 8092	16	64
8130 - 8134	4	16
8146 - 8152	6	24
8156 - 8164	8	32
8221 - 8237	16	64
8281 - 8398	117	468
8430 - 8442	12	48
8446 - 8458	12	48
8469 - 8476	7	28
Total Feet & Shots	301	1204

**McVAY DRILLING COMPANY**

Post Office Box 924
Hobbs, New Mexico 88241
(505) 397-3311
FAX: 39-DRILL

Well Name and Number: Indian Basin 32 State # 7

Location: Eddy County

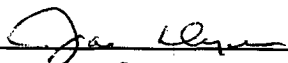
Operator: Marathon

Drilling Contractor: McVay Drilling Company

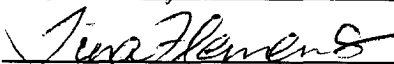
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth		Degrees @ Depth		Degrees @ Depth	
1 ¼	751	13	4228	12 ¾	6190
1 ½	1681	12 ¾	4417	12 ½	6445
1 ¾	1858	13 ½	4732	13	6698
6 1/5	2174	12 ½	4985	11 ¾	7015
13 ½	2458	12 ¼	5054	13	7270
13 ½	2712	11 ¾	5307	11 ¾	7462
14 ¼	3157	12 ¼	5433	11 ¾	7713
12 ½	3472	13 ½	5746	9 ¼	7840
12 ½	3661	13 ½	3938		
13	3788	12 ¾	6001		

Drilling Contractor: McVay Drilling Company

By: 

Subscribed and sworn to before me this 15th day of April, 2004


Notary Public

My Commission Expires: 8-16-05

Lea County, New Mexico

* * * N A U T I C A L (V e r s i o n 4 . 0) * * *

Well: IB 32 State #7

Target Azimuth: 160
Target TVD: 8625

Closure Direction: 161

Calculation Method - Minimum Curvature

Measured Depth (ft)	Inclination (deg.)	Azimuth (deg.)	True Vertical Depth (ft)	Vertical Section (ft)	North/ South (ft)	East/ West (ft)	Closure (ft)	Build Rate (deg/ft)	Walk Rate (deg/ft)	Dogleg Severity (d/100')	Tool Face (deg)
0.00	0.00	160.00	0.00	0.00	0.00	0.00	=====	Tie-in Data			
208.00	0.90	249.00	207.99	0.03	-0.59	-1.53	1.63	0.004	0.428	0.43	SS
388.00	1.75	289.00	387.95	-1.68	-0.20	-5.44	5.45	0.005	0.222	0.67	SS
566.00	1.00	305.00	565.89	-4.66	1.58	-9.29	9.42	-0.004	0.090	0.47	SS
751.00	1.20	329.00	750.86	-7.88	4.17	-11.61	12.33	0.001	0.130	0.27	SS
932.00	0.90	307.00	931.83	-10.94	6.65	-13.72	15.24	-0.002	-0.122	0.27	SS
1116.00	0.75	287.00	1,115.81	-12.87	7.87	-16.02	17.85	-0.001	-0.109	0.18	SS
1298.00	0.75	299.00	1,297.80	-14.49	8.79	-18.20	20.22	0.000	0.066	0.09	SS
1490.00	1.00	349.00	1,489.78	-17.09	11.05	-19.62	22.52	0.001	0.260	0.40	SS
1681.00	1.50	335.00	1,680.73	-21.23	14.95	-21.00	25.77	0.003	-0.073	0.30	SS
1858.00	1.40	350.00	1,857.67	-25.67	19.18	-22.35	29.45	-0.001	0.085	0.22	MWD
1890.00	0.88	11.30	1,889.67	-26.26	19.80	-22.37	29.88	-0.016	0.666	2.07	MWD
1922.00	0.53	45.00	1,921.67	-26.53	20.15	-22.22	29.99	-0.011	1.053	1.65	MWD
1953.00	0.88	132.00	1,952.66	-26.38	20.09	-21.94	29.75	0.011	2.806	3.24	MWD
1985.00	1.60	137.30	1,984.66	-25.75	19.60	-21.46	29.06	0.023	0.166	2.28	MWD
2017.00	2.40	140.50	2,016.64	-24.71	18.75	-20.73	27.95	0.025	0.100	2.52	MWD
2047.00	3.20	137.40	2,046.60	-23.35	17.65	-19.76	26.50	0.027	-0.103	2.71	MWD
2079.00	4.20	144.70	2,078.53	-21.39	16.04	-18.48	24.47	0.031	0.228	3.45	MWD
2110.00	4.90	146.10	2,109.44	-19.01	14.01	-17.08	22.10	0.023	0.045	2.29	MWD
2142.00	5.70	148.90	2,141.30	-16.12	11.52	-15.50	19.31	0.025	0.088	2.63	MWD
2174.00	6.40	148.90	2,173.12	-12.81	8.63	-13.76	16.24	0.022	0.000	2.19	MWD
2206.00	7.20	152.10	2,204.89	-9.08	5.33	-11.90	13.04	0.025	0.100	2.77	MWD
2238.00	8.20	154.20	2,236.61	-4.82	1.50	-9.97	10.08	0.031	0.066	3.25	MWD
2269.00	8.90	158.40	2,267.26	-0.22	-2.72	-8.12	8.56	0.023	0.135	3.02	MWD
2301.00	9.80	159.50	2,298.84	4.97	-7.57	-6.26	9.82	0.028	0.034	2.87	MWD
2333.00	10.40	162.70	2,330.34	10.58	-12.88	-4.44	13.62	0.019	0.100	2.57	MWD
2364.00	11.30	161.90	2,360.79	16.41	-18.44	-2.67	18.63	0.029	-0.026	2.94	MWD
2395.00	12.10	160.90	2,391.14	22.70	-24.39	-0.66	24.40	0.026	-0.032	2.66	MWD
2458.00	13.60	161.20	2,452.56	36.70	-37.65	3.89	37.85	0.024	0.005	2.38	MWD
2521.00	13.90	160.50	2,513.76	51.68	-51.79	8.80	52.53	0.005	-0.011	0.54	MWD
2584.00	14.10	161.60	2,574.89	66.91	-66.21	13.75	67.62	0.003	0.017	0.53	MWD
2648.00	13.70	161.90	2,637.01	82.28	-80.81	18.56	82.91	-0.006	0.005	0.64	MWD
2712.00	13.60	162.30	2,699.20	97.38	-95.18	23.20	97.97	-0.002	0.006	0.21	MWD
2,776.00	13.90	163.00	2,761.37	112.57	-109.70	27.74	113.15	0.005	0.011	0.54	MWD
2,839.00	13.90	163.00	2,822.52	127.68	-124.17	32.17	128.27	0.000	0.000	0.00	MWD
2,902.00	14.10	164.40	2,883.65	142.89	-138.80	36.44	143.50	0.003	0.022	0.62	MWD
2,966.00	13.80	163.40	2,945.77	158.28	-153.62	40.72	158.93	-0.005	-0.016	0.60	MWD
3,030.00	13.60	161.90	3,007.94	173.42	-168.09	45.24	174.07	-0.003	-0.023	0.64	MWD
3,093.00	13.90	161.20	3,069.14	188.39	-182.29	49.98	189.02	0.005	-0.011	0.54	MWD
3,157.00	14.10	162.30	3,131.24	203.87	-197.00	54.82	204.48	0.003	0.017	0.52	MWD
3,220.00	13.80	162.00	3,192.38	219.05	-211.45	59.48	219.66	-0.005	-0.005	0.49	MWD
3,282.00	13.20	160.90	3,252.67	233.51	-225.18	64.08	234.12	-0.010	-0.018	1.05	MWD
3,346.00	13.20	160.20	3,314.98	248.13	-238.96	68.95	248.70	0.000	-0.011	0.25	MWD
3,409.00	13.10	160.20	3,376.32	262.46	-252.44	73.80	263.01	-0.002	0.000	0.16	MWD
3,472.00	12.60	158.80	3,437.75	276.47	-265.57	78.71	276.98	-0.008	-0.022	0.93	MWD
3,535.00	12.40	158.40	3,499.25	290.10	-278.26	83.68	290.57	-0.003	-0.006	0.35	MWD
3,597.00	12.60	159.80	3,559.78	303.52	-290.80	88.47	303.96	0.003	0.023	0.59	MWD
3,661.00	12.40	159.60	3,622.27	317.37	-303.79	93.27	317.79	-0.003	-0.003	0.32	MWD
3,724.00	12.80	160.20	3,683.75	331.11	-316.70	97.99	331.51	0.006	0.010	0.67	MWD
3,788.00	13.10	160.20	3,746.12	345.45	-330.19	102.85	345.84	0.005	0.000	0.47	MWD
3,851.00	12.70	158.40	3,807.53	359.52	-343.35	107.82	359.88	-0.006	-0.029	0.90	MWD
3,914.00	12.20	156.30	3,869.05	373.08	-355.88	113.04	373.40	-0.008	-0.033	1.07	MWD
3,978.00	12.00	157.70	3,931.63	386.48	-368.23	118.29	386.76	-0.003	0.022	0.55	MWD
4,040.00	11.60	158.40	3,992.32	399.15	-379.99	123.03	399.41	-0.006	0.011	0.69	MWD

* * * N A U T I C A L (V e r s i o n 4 . 0) * * *

Well: IB 32 State #7

Target Azimuth: 160
Target TVD: 8625

Closure Direction: 161

Calculation Method - Minimum Curvature

Measured Depth (ft)	Inclination (deg.)	Azimuth (deg.)	True Vertical Depth (ft)	Vertical Section (ft)	North/ South (ft)	East/ West (ft)	Closure (ft)	Build Rate (deg/ft)	Walk Rate (deg/ft)	Dogleg Severity (d/100')	Tool Face (deg)
4,103.00	11.90	158.10	4,054.00	411.97	-391.90	127.78	412.21	0.005	-0.005	0.49	MWD
4,164.00	12.50	154.60	4,113.62	424.83	-403.70	132.96	425.03	0.010	-0.057	1.56	MWD
4,228.00	13.10	153.20	4,176.03	438.93	-416.43	139.20	439.08	0.009	-0.022	1.06	MWD
4,290.00	13.20	153.20	4,236.40	452.93	-429.02	145.56	453.04	0.002	0.000	0.16	MWD
4,353.00	12.80	152.50	4,297.79	467.00	-441.63	152.03	467.07	-0.006	-0.011	0.68	MWD
4,417.00	12.70	151.13	4,360.21	480.98	-454.08	158.70	481.01	-0.002	-0.021	0.50	MWD
4,480.00	12.40	151.10	4,421.71	494.50	-466.07	165.31	494.52	-0.005	0.000	0.48	MWD
4,542.00	12.60	153.70	4,482.24	507.80	-477.96	171.52	507.80	0.003	0.042	0.96	MWD
4,605.00	12.50	155.90	4,543.73	521.43	-490.34	177.35	521.43	-0.002	0.035	0.78	MWD
4669.00	12.80	157.00	4,606.18	535.42	-503.19	182.95	535.42	0.005	0.017	0.60	MWD
4732.00	13.60	160.20	4,667.51	549.79	-516.58	188.18	549.79	0.013	0.051	1.72	MWD
4794.00	13.60	161.60	4,727.78	564.37	-530.36	192.95	564.37	0.000	0.023	0.53	MWD
4858.00	13.10	162.60	4,790.05	579.14	-544.42	197.50	579.14	-0.008	0.016	0.86	MWD
4921.00	13.10	162.30	4,851.41	593.40	-558.04	201.80	593.40	0.000	-0.005	0.11	MWD
4985.00	12.50	160.50	4,913.82	607.58	-571.47	206.32	607.58	-0.009	-0.028	1.13	MWD
5054.00	12.30	165.00	4,981.21	622.36	-585.61	210.72	622.37	-0.003	0.065	1.43	MWD
5118.00	11.90	165.80	5,043.79	635.72	-598.59	214.10	635.73	-0.006	0.013	0.68	MWD
5181.00	12.20	162.60	5,105.40	648.83	-611.24	217.68	648.85	0.005	-0.051	1.16	MWD
5244.00	12.20	160.90	5,166.98	662.14	-623.89	221.85	662.16	0.000	-0.027	0.57	MWD
5307.00	11.70	160.50	5,228.61	675.18	-636.20	226.16	675.20	-0.008	-0.006	0.80	MWD
5370.00	11.40	159.10	5,290.34	687.80	-648.04	230.52	687.81	-0.005	-0.022	0.65	MWD
5433.00	12.20	160.00	5,352.00	700.68	-660.11	235.01	700.69	0.013	0.014	1.30	MWD
5496.00	12.60	159.10	5,413.53	714.21	-672.78	239.74	714.22	0.006	-0.014	0.71	MWD
5560.00	11.90	160.00	5,476.08	727.78	-685.50	244.49	727.80	-0.011	0.014	1.13	MWD
5622.00	12.20	160.20	5,536.71	740.73	-697.67	248.90	740.74	0.005	0.003	0.49	MWD
5684.00	13.40	160.20	5,597.17	754.46	-710.60	253.55	754.48	0.019	0.000	1.94	MWD
5746.00	13.50	159.80	5,657.47	768.88	-724.15	258.48	768.90	0.002	-0.006	0.22	MWD
5810.00	12.30	160.50	5,719.85	783.17	-737.59	263.34	783.19	-0.019	0.011	1.89	MWD
5874.00	12.50	157.80	5,782.36	796.91	-750.43	268.23	796.92	0.003	-0.042	0.96	MWD
5938.00	13.40	157.30	5,844.73	811.24	-763.68	273.71	811.25	0.014	-0.008	1.42	MWD
6001.00	12.80	156.70	5,906.09	825.50	-776.82	279.28	825.50	-0.010	-0.010	0.98	MWD
6065.00	11.60	156.30	5,968.64	839.00	-789.23	284.68	839.00	-0.019	-0.006	1.88	MWD
6127.00	11.60	158.10	6,029.38	851.45	-800.72	289.51	851.45	0.000	0.029	0.58	MWD
6190.00	12.70	162.30	6,090.97	864.70	-813.19	293.97	864.70	0.017	0.067	2.24	MWD
6254.00	12.60	164.00	6,153.41	878.69	-826.61	298.04	878.69	-0.002	0.027	0.60	MWD
6317.00	12.60	164.00	6,214.90	892.40	-839.82	301.83	892.41	0.000	0.000	0.00	MWD
6381.00	12.80	163.30	6,277.33	906.44	-853.32	305.79	906.45	0.003	-0.011	0.39	MWD
6445.00	12.60	161.60	6,339.77	920.50	-866.73	310.03	920.51	-0.003	-0.027	0.66	MWD
6507.00	12.60	159.80	6,400.27	934.02	-879.50	314.50	934.03	0.000	-0.029	0.63	MWD
6571.00	12.40	158.80	6,462.76	947.87	-892.45	319.39	947.88	-0.003	-0.016	0.46	MWD
6635.00	12.00	156.70	6,525.31	961.38	-904.97	324.51	961.39	-0.006	-0.033	0.93	MWD
6698.00	13.00	159.10	6,586.82	975.01	-917.61	329.63	975.01	0.016	0.038	1.79	MWD
6761.00	13.40	160.90	6,648.15	989.39	-931.12	334.54	989.40	0.006	0.029	0.91	MWD
6825.00	12.90	160.90	6,710.47	1,003.95	-944.88	339.31	1,003.96	-0.008	0.000	0.78	MWD
6889.00	12.20	159.80	6,772.94	1,017.85	-957.98	343.98	1,017.86	-0.011	-0.017	1.16	MWD
6952.00	11.60	160.50	6,834.59	1,030.85	-970.20	348.39	1,030.85	-0.010	0.011	0.98	MWD
7015.00	11.80	159.80	6,896.28	1,043.62	-982.21	352.73	1,043.63	0.003	-0.011	0.39	MWD
7079.00	13.20	162.30	6,958.76	1,057.47	-995.32	357.21	1,057.48	0.022	0.039	2.34	MWD
7143.00	13.30	165.70	7,021.06	1,072.09	-1,009.41	361.25	1,072.11	0.002	0.053	1.23	MWD
7206.00	13.30	163.70	7,082.37	1,086.54	-1,023.39	365.08	1,086.56	0.000	-0.032	0.73	MWD
7270.00	13.10	163.70	7,144.68	1,101.12	-1,037.42	369.18	1,101.15	-0.003	0.000	0.31	MWD
7334.00	11.80	162.30	7,207.17	1,114.90	-1,050.61	373.20	1,114.93	-0.020	-0.022	2.09	MWD
7398.00	10.80	158.80	7,269.93	1,127.43	-1,062.44	377.36	1,127.46	-0.016	-0.055	1.89	MWD
7462.00	11.80	158.10	7,332.69	1,139.97	-1,074.10	381.97	1,140.00	0.016	-0.011	1.58	MWD

* * * N A U T I C A L (V e r s i o n 4 . 0) * * *

Well: IB 32 State #7

Target Azimuth: 160
Target TVD: 8625

Closure Direction: 161

Calculation Method - Minimum Curvature

Measured Depth (ft)	Inclination (deg.)	Azimuth (deg.)	True Vertical Depth (ft)	Vertical Section (ft)	North/ South (ft)	East/ West (ft)	Closure (ft)	Build Rate (deg/ft)	Walk Rate (deg/ft)	Dogleg Severity (d/100')	Tool Face (deg)
7523.00	11.70	158.10	7,392.41	1,152.38	-1,085.63	386.61	1,152.41	-0.002	0.000	0.16	MWD
7587.00	9.80	160.50	7,455.29	1,164.31	-1,096.78	390.84	1,164.34	-0.030	0.038	3.05	MWD
7651.00	10.30	160.50	7,518.30	1,175.48	-1,107.31	394.57	1,175.51	0.008	0.000	0.78	MWD
7713.00	11.90	158.00	7,579.14	1,187.41	-1,118.46	398.82	1,187.44	0.026	-0.040	2.69	MWD
7777.00	11.50	160.90	7,641.81	1,200.39	-1,130.61	403.38	1,200.41	-0.006	0.045	1.11	MWD
7840.00	9.90	163.00	7,703.72	1,212.08	-1,141.72	407.02	1,212.10	-0.025	0.033	2.61	MWD
8780.00	9.90	163.00	8,629.72	1,373.47	-1,296.27	454.27	1,373.57	0.000	0.000	0.00	Proj