

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOil Cons.
N.M. Div-Dist. 2
1801 W. Grand Avenue
Artesia, NM 88210FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NM 14140 BHL
NM 0556859-A SHL1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

NASH UNIT

8. Lease Name and Well No.

NASH UNIT #53

9. API Well No.

30-015-32548 SI

10. Field and Pool, or Exploratory

NASH DRAW

11. Sec., T., R., M., on Block and
Survey or Area SEC. 12, T23S, R29E

12. County or Parish

EDDY

13. State

NM

17. Elevations (DF, RKB, RT, GL)*

GL=2986 KDB=3013

2. Name of Operator

MURCHISON OIL & GAS, INC.

OGRID #015363

3. Address 1100 MIRA VISTA BLVD.
PLANO, TX. 75093-4698

3a. Phone No. (include area code)

(972) 931-0700

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 1663' FSL & 2185' FWL

At top prod. interval reported below

At total depth 2056' FNL & 692' FEL UNIT H

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NOV 26 2003

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14. Date Spudded

6/13/03

15. Date T.D. Reached

8/13/03

16. Date Completed

☐ D & A ☒ Ready to Prod.18. Total Depth: MD 14368
TVD 1390419. Plug Back T.D.: MD 14015
TVD 1356020. Depth Bridge Plug Set: MD 14030
TVD 14575

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

MSFL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)Was DST run? ☒ No ☐ Yes (Submit report)Directional Survey? ☐ No ☒ Yes (Submit copy)

COMPENSATED NEUTRON/DENSITY GR DUAL LATERLOG

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
20	16"J-55	75	SURFACE	420		520 "C"	79	SURFACE	
14-3/4	10-3/4J-55	45.5	SURFACE	3120		2025 35:65	700	SURFACE	
9-7/8	7-5/8N-8039&33.7		SURFACE	10820	4472	1663 50:50	636	SURFACE	
6-1/2	5-1/2P110	23	10512	14367		345 H	74	TOL	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8	13580	13580						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MORROW	13690	13977	13690-977	3/8"	248	OPEN
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
13690-13977	FRAC w/ 62 K 20-40 INTERPROP & 26K GAL FOAM III TON CO2 798 MCF N2

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/05	11/05	24	→	0	579	56	N/A	.62	FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
3/4"	40	0	→	0	579	56	N/A	WAITING ON PIPELINE	

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. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

ACCEPTED FOR RECORD

NOV 25 2003

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

28b. Production - Interval C

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. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

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. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

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

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
STRAWN	12458	12471	SAND	LAMAR	3140
ATOKA BANK	12830	12861	LIME	DELAWARE BELL C.	3170
ATOKA SAND	13046	13065	SAND	DELAWARE CHERRY C.	4231
	13067	13072	SAND	DELAWARE BRUSHY C.	5231
U. MORROW SAND	13529	13548	SAND	BONE SPRING	5246
				3rd BONE SPRING	6940
M. MORROW SAND	13690	13977	SAND	WOLFCAMP	10474
				STRAWN	12453
L. MORROW SAND	14045	14191	SAND	ATOKA	12568
				ATOKA BANK	12829
				MORROW	13419

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) MICHAEL S. DAUGHERTYTitle VICE PRESIDENT OPERATIONSSignature Michael S. DaughertyDate 11/20/03

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

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Form C-122
Revised October, 1999

DEC - 2 2003

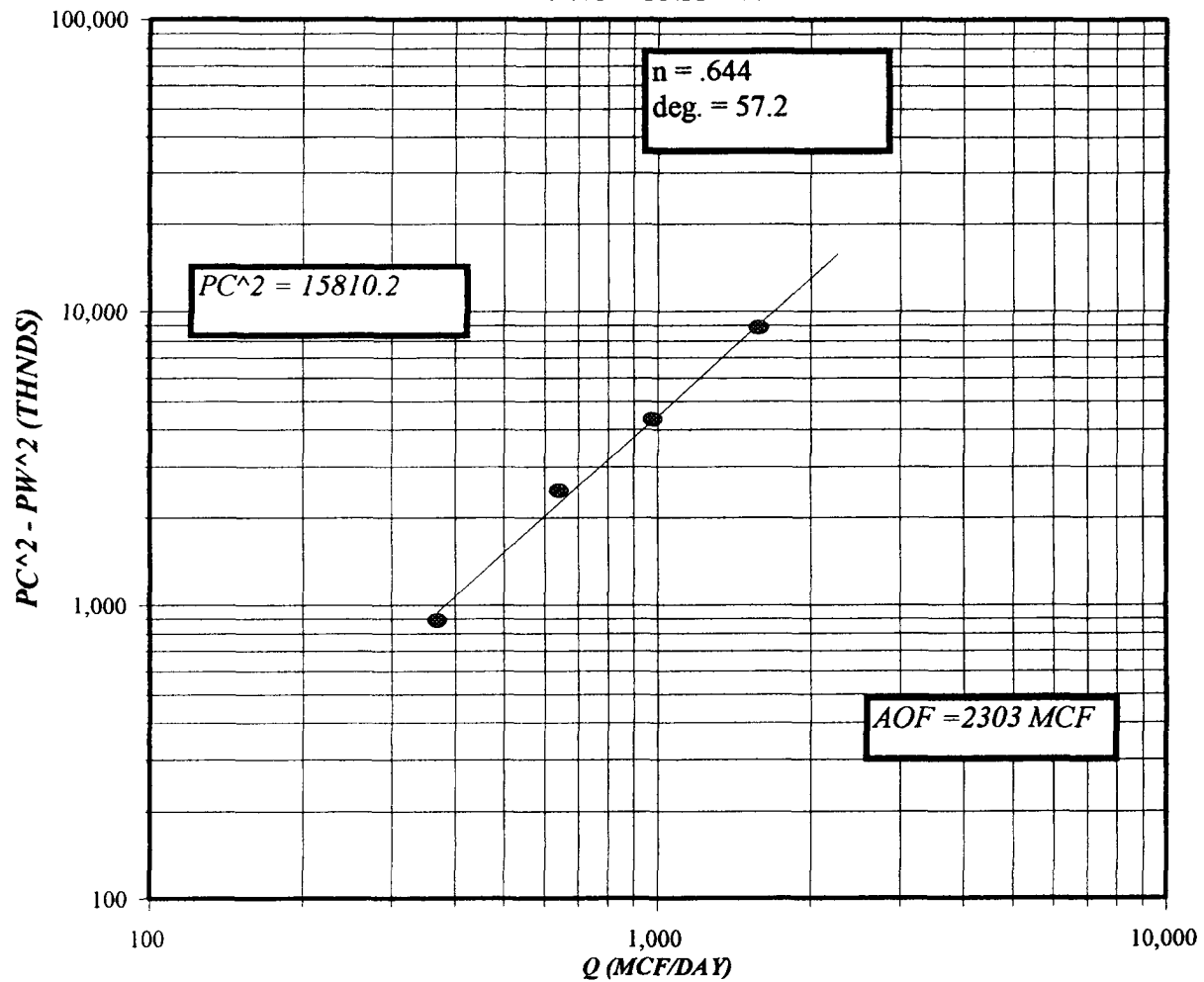
OCD-ARTESIA

30-015-22548

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MURCHISON OIL & GAS, INC.				Lease or Unit Name NASH UNIT					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-21-03		Well No. 53	
Completion Date 11-05-03		Total Depth 14367		Plug Back TD 14015		Elevation 2986 GL		Unit Ltr - Sec - TWP - Rge K 12 23 29	
Csg. Size 5 1/2	Wt. 23	d 4.67	Set At 14367	Perforations: From: 13690 To: 13997				County EDDY	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 13582	Perforations: From: OPEN To: ENDED				Pool NASH DRAW MORROW	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 13582				Formation MORROW	
Producing Thru TBG		Reservoir Temp. °F 188.8 @ 13582		Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2		Connection DUKE ENERGY	
L 13582	H 13582	Gg 0.688	%CO ₂	%N ₂	%H ₂ S N/A	Prover N/A	Meter Run 3.068	Taps FLG	
FLOW DATA				TUBING DATA			CASING DATA		
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F
SI						3963		PKR	
1	3 X	1.625	50	7.3	87	3850		"	
2	3 X	1.625	50	21.7	73	3639		"	
3	3 X	1.625	53	45.8	65	3372		"	
4	3 X	1.625	63	110.5	63	2625		"	
5									
RATE OF FLOW CALCULATIONS									
No.	COEFFICIENT (24 Hour)		$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd	
1								369	
2								643	
3	METERED		BY		TOTAL	FLOW	METER	977	
4								1,581	
5									
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio DRY GAS Mcf bbl.				
1					A.P. I. Gravity of Liquid Hydrocarbons DRY Deg.				
2					Specific Gravity Separator Gas 0.688 XXXXXXXX				
3		N/A			Specific Gravity Flowing Fluid XXXXXX				
4					Critical Pressure 669 P.S.I.A. 669 P.S.I.A.				
5					Critical Temperature 385 R. 385 R.				
P _c 3976.2 P _{c2} 15810.2									
No.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.793$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.457$				
1		3863.5	14926.5	883.7					
2		3653.1	13345	2465.3					
3		3387.3	11473.9	4336.3					
4		2644.6	6994.1	8816.1					
5									
79825					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.303$				
Absolute Open Flow 2.303 Mcfd @ 15.025					Angle of Slope (°) 57.2 Slope n: 0.644				
Remarks: WELL PRODUCED NO FLUID DURING TEST									
Approved By Division:			Conducted By: JARREL SERVICES, INC.			Calculated By: BM		Checked By: BM	

MURCHISON OIL & GAS
NASH UNIT # 53



COMPANY : MURCHISON O & G, INC LEASE : NASH UNIT WELL NO. : 53
 UNIT : K SECTION : 12 TOWNSHIP : 23
 L : 13582 H : 13582 L/H : 1 G/CMIX : 0.688
 %CO2 : %N2 : H2S : DATE : 11-21-03
 d : 2.441 Pr : 0.010763 GH : 9344.4 RANGE : 29

Pc = 3976.2 Pc2 = 15810.2 *
 Pt2 = ***** Pw = 3863.5 *
 ***** 3653.1 *
 ***** 3387.3 *
 ***** 2644.6 *

VOL 1 : 369 PSIA 1 : 3863.2 RESV.TEMP 188.8
 VOL 2 : 643 PSIA 2 : 3652.2
 VOL 3 : 977 PSIA 3 : 3385.2 SHUT-IN PR= 3976.2
 VOL 4 : 1581 PSIA 4 : 2638.2

Pc2-Pw2= 883.7 Pw2 = 14926.5 *
 2465.2 13345.0 *
 4336.3 11473.9 *
 8816.1 6994.1 *

PCR : 669
 TCR : 385

n = 0.644

Pc2/(Pc2-Pw2) = 17.891

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.369	0.369	0.643	0.643	0.977	0.977	1.581	1.581
2 TW	534	534	534	534	534	534	534	534
3 Ts	648.8	648.8	648.8	648.8	648.8	648.8	648.8	648.8
4 T	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4
PR (est)	5.77		5.46		5.06		3.94	
5 Z(est)	0.841	0.908	0.826	0.887	0.808	0.862	0.776	0.801
6 TZ	497.2	536.7	488.2	524.5	478.1	509.6	459.0	473.7
7 GH/TZ	18.796	17.409	19.139	17.815	19.546	18.337	20.360	19.728
8 eS	2.024	1.921	2.050	1.950	2.081	1.989	2.146	2.096
9 l-e-S	0.506	0.479	0.512	0.487	0.520	0.497	0.534	0.523
10 Pt	3863.2	3863.2	3652.2	3652.2	3385.2	3385.2	2638.2	2638.2
11 Pt2 /1000	14924.3	14924.3	13338.6	13338.6	11459.6	11459.6	6960.1	6960.1
12 Pr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763
13 Pc=PrTZ	5.351	5.777	5.255	5.645	5.145	5.485	4.940	5.098
14 PcQm	1.97	2.13	3.38	3.63	5.03	5.36	7.81	8.06
15 L/H(PcQm)	3.9	4.5	11.4	13.2	25.3	28.7	61.0	65.0
16 Pw	1.971981	2.178710	5.847196	6.421174	13.12945	14.27844	32.56989	33.962781
17 Pw2	14926.3	14926.5	13344.4	13345.0	11472.7	11473.9	6992.7	6994.1
18 Ps2	30203.7	28674.0	27352.5	26029.2	23878.1	22821.5	15004.4	14656.2
19 Ps	5495.8	5354.8	5230.0	5101.9	4886.5	4777.2	3873.6	3828.3
20 P	4679.5	4609.0	4441.1	4377.0	4135.9	4081.2	3255.9	3233.3
21 Pr	6.99	6.89	6.64	6.54	6.18	6.10	4.87	4.83
22 Tr	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
23 Z	0.908	0.901	0.887	0.881	0.862	0.857	0.801	0.800

6.413
 3.646
 1.793

[Pc2/Pc2-Pw2]n = 6.408

AOF= Q

FORM C122-D



DIRECTIONAL DRILLING CONTRACTORS, LLC.

Job Number: MDR-3116

Company: MURCHISON OIL & GAS, INC.

Lease/Well: Nash #53

Location: Eddy County

Rig Name: Big Dog #11

RKB: 3013'

G.L. or M.S.L.: 2986'

State/Country: New Mexico

Declination: 8.81935

Grid: -0.2100

File name: C:\PROPOS~1\2003\03090'S\03-090\03-090R1.SV

Date/Time: 17-Sep-03 / 10:09

Curve Name: DDC As-Drilled Nash #53

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 56.09
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	CLOSURE Distance FT	Direction Deg
Tie-In to Gyrodata Surveys									
3100.00	.93	140.28	3099.27	20.15	.00	-21.12	38.48	43.89	118.76
3232.00	1.00	147.90	3231.25	20.22	.11	-22.92	39.78	45.91	119.95
3327.00	.80	112.20	3326.24	20.57	.61	-23.87	40.83	47.30	120.31
3423.00	1.30	82.30	3422.22	21.92	.76	-23.98	42.53	48.83	119.42
3518.00	1.40	83.70	3517.20	23.91	.11	-23.71	44.75	50.64	117.91
3613.00	1.80	79.90	3612.16	26.31	.44	-23.32	47.37	52.80	116.21
3709.00	1.80	79.00	3708.11	29.08	.03	-22.77	50.34	55.25	114.34
3805.00	2.30	74.30	3804.05	32.29	.55	-21.96	53.67	57.99	112.25
3901.00	2.20	75.80	3899.98	35.86	.12	-20.98	57.31	61.04	110.11
3997.00	2.60	75.80	3995.89	39.64	.42	-20.00	61.21	64.40	108.09
4093.00	3.00	66.40	4091.78	44.16	.63	-18.46	65.62	68.17	105.71
4189.00	3.50	63.90	4187.62	49.54	.54	-16.16	70.56	72.39	102.90
4283.00	3.90	62.30	4281.43	55.56	.44	-13.42	75.97	77.14	100.02
4378.00	3.90	57.50	4376.21	62.00	.34	-10.18	81.55	82.18	97.11
4474.00	4.60	55.90	4471.94	69.12	.74	-6.27	87.49	87.72	94.10
4569.00	4.80	54.40	4566.62	76.90	.25	-1.82	93.88	93.90	91.11
4664.00	4.60	54.30	4661.31	84.68	.21	2.72	100.20	100.24	88.44
4760.00	5.10	53.30	4756.96	92.79	.53	7.52	106.75	107.02	85.97
4855.00	5.90	55.70	4851.52	101.89	.88	12.79	114.17	114.88	83.61
4951.00	5.80	53.70	4947.02	111.67	.24	18.44	122.16	123.54	81.41

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	C L O S U R E	
								Distance FT	Direction Deg
5047.00	6.60	55.10	5042.46	122.03	.85	24.47	130.59	132.86	79.39
5141.00	6.40	54.00	5135.86	132.67	.25	30.64	139.26	142.59	77.59
5235.00	6.70	53.70	5229.24	143.38	.32	36.97	147.92	152.47	75.97
5330.00	7.20	55.50	5323.54	154.87	.57	43.62	157.29	163.23	74.50
5426.00	7.50	57.40	5418.76	167.15	.40	50.40	167.53	174.94	73.25
5521.00	7.90	58.20	5512.90	179.87	.44	57.19	178.30	187.24	72.22
5616.00	8.30	57.10	5606.95	193.25	.45	64.35	189.60	200.23	71.25
5712.00	8.20	57.40	5701.96	207.03	.11	71.80	201.19	213.62	70.36
5807.00	8.80	57.40	5795.91	221.07	.63	79.37	213.02	227.32	69.57
5902.00	9.60	57.90	5889.69	236.25	.85	87.49	225.85	242.21	68.82
5997.00	10.10	57.00	5983.29	252.49	.55	96.24	239.55	258.16	68.11
6092.00	10.60	56.20	6076.74	269.56	.55	105.64	253.79	274.90	67.40
6188.00	11.10	54.80	6171.03	287.63	.59	115.88	268.68	292.60	66.67
6283.00	11.90	54.00	6264.12	306.56	.86	126.90	284.08	311.14	65.93
6378.00	12.40	53.30	6356.99	326.54	.55	138.76	300.18	330.70	65.19
6474.00	13.20	52.70	6450.61	347.77	.84	151.56	317.17	351.52	64.46
6567.00	13.90	52.00	6541.02	369.52	.77	164.87	334.41	372.85	63.76
6662.00	14.20	52.40	6633.17	392.53	.33	179.01	352.64	395.47	63.09
6757.00	14.50	53.70	6725.21	416.04	.46	193.16	371.46	418.67	62.53
6852.00	14.60	53.30	6817.16	439.88	.15	207.35	390.64	442.26	62.04
6947.00	15.10	54.00	6908.99	464.20	.56	221.78	410.25	466.36	61.60
7043.00	17.10	56.50	7001.22	490.82	2.20	236.92	432.14	492.83	61.27
7138.00	18.90	57.70	7091.57	520.16	1.93	252.85	456.79	522.11	61.03
7233.00	20.00	57.30	7181.15	551.79	1.17	269.85	483.47	553.68	60.83
7328.00	21.10	56.30	7270.10	585.13	1.22	288.12	511.37	586.95	60.60
7423.00	21.60	54.60	7358.58	619.71	.84	307.74	539.85	621.40	60.32
7519.00	21.10	53.30	7447.99	654.64	.72	328.30	568.11	656.14	59.98
7614.00	21.70	54.60	7536.44	689.27	.81	348.69	596.13	690.62	59.68
7709.00	20.30	54.00	7625.13	723.30	1.49	368.55	623.78	724.53	59.42
7804.00	21.00	53.10	7714.03	756.77	.81	388.46	650.73	757.86	59.16
7899.00	20.80	51.90	7802.78	790.59	.50	409.09	677.62	791.53	58.88
7995.00	21.50	52.40	7892.31	825.15	.75	430.34	704.97	825.94	58.60
8088.00	22.30	54.60	7978.60	859.79	1.23	450.96	732.85	860.49	58.39
8184.00	22.30	54.00	8067.42	896.20	.24	472.22	762.44	896.83	58.23
8277.00	21.50	53.60	8153.71	930.86	.88	492.70	790.43	931.41	58.06
8373.00	20.90	54.50	8243.21	965.55	.71	513.09	818.53	966.05	57.92
8468.00	18.40	54.60	8332.67	997.49	2.63	531.61	844.55	997.94	57.81
8563.00	20.00	54.90	8422.38	1028.72	1.69	549.64	870.06	1029.13	57.72
8657.00	21.20	55.60	8510.37	1061.79	1.30	568.49	897.24	1062.18	57.64
8752.00	21.70	55.60	8598.79	1096.53	.53	588.12	925.91	1096.90	57.58
8847.00	22.20	56.20	8686.91	1132.04	.58	608.02	955.31	1132.39	57.52

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	C L O S U R E Distance FT	Direction Deg
8942.00	21.70	56.80	8775.02	1167.55	.58	627.62	984.92	1167.90	57.49
9038.00	23.10	55.60	8863.77	1204.13	1.53	647.98	1015.31	1204.47	57.45
9133.00	22.60	56.10	8951.32	1241.02	.56	668.69	1045.84	1241.34	57.41
9228.00	22.50	55.60	9039.06	1277.45	.23	689.14	1075.99	1277.76	57.36
9323.00	22.10	56.00	9126.95	1313.49	.45	709.41	1105.80	1313.80	57.32
9419.00	22.70	54.50	9215.71	1350.07	.86	730.26	1135.86	1350.35	57.26
9514.00	21.40	56.50	9303.76	1385.73	1.58	750.47	1165.23	1385.99	57.22
9609.00	21.60	55.80	9392.15	1420.54	.34	769.87	1194.15	1420.81	57.19
9704.00	22.60	57.00	9480.17	1456.28	1.15	789.64	1223.92	1456.54	57.17
9799.00	22.50	57.90	9567.90	1492.70	.38	809.24	1254.63	1492.97	57.18
9894.00	22.20	57.50	9655.77	1528.81	.35	828.54	1285.16	1529.09	57.19
9989.00	22.90	56.80	9743.50	1565.24	.79	848.31	1315.77	1565.53	57.19
10085.00	22.80	56.30	9831.97	1602.51	.23	868.86	1346.87	1602.80	57.17
10180.00	22.60	56.40	9919.61	1639.18	.21	889.17	1377.39	1639.46	57.16
10274.00	22.20	56.40	10006.52	1675.00	.43	908.99	1407.23	1675.28	57.14
10369.00	22.90	54.50	10094.26	1711.42	1.06	929.66	1437.22	1711.69	57.10
10465.00	23.00	53.90	10182.66	1748.83	.27	951.56	1467.58	1749.07	57.04
10560.00	22.20	53.80	10270.36	1785.31	.84	973.09	1497.06	1785.53	56.98
10655.00	23.30	53.70	10357.97	1822.02	1.16	994.81	1526.69	1822.21	56.91
10775.00	23.00	54.30	10468.31	1869.16	.32	1022.55	1564.85	1869.32	56.84
Casing Point									
10820.00	22.36	56.59	10509.83	1886.51	2.42	1032.39	1579.14	1886.66	56.82
10854.00	21.90	58.40	10541.32	1899.31	2.42	1039.27	1589.94	1899.47	56.83
10917.00	22.50	57.80	10599.65	1923.10	1.02	1051.85	1610.15	1923.27	56.84
11010.00	24.90	56.20	10684.80	1960.47	2.67	1072.23	1641.48	1960.64	56.85
11104.00	23.00	54.80	10770.71	1998.62	2.11	1093.83	1672.93	1998.79	56.82
11198.00	23.00	53.90	10857.24	2035.34	.37	1115.23	1702.78	2035.48	56.78
11290.00	21.90	54.30	10942.26	2070.45	1.21	1135.84	1731.23	2070.58	56.73
11383.00	23.80	53.20	11027.96	2106.53	2.09	1157.20	1760.35	2106.64	56.68
11476.00	22.40	53.40	11113.50	2142.97	1.51	1179.01	1789.60	2143.06	56.62
11569.00	21.10	55.50	11199.88	2177.41	1.63	1199.05	1817.62	2177.49	56.59
11663.00	20.60	57.20	11287.72	2210.86	.83	1217.59	1845.47	2210.95	56.58
11755.00	20.00	58.20	11374.01	2242.77	.75	1234.65	1872.44	2242.86	56.60
11847.00	19.20	58.00	11460.68	2273.61	.87	1250.96	1898.64	2273.71	56.62
11940.00	16.90	57.10	11549.10	2302.41	2.49	1266.41	1922.96	2302.52	56.63
12035.00	15.30	55.90	11640.37	2328.76	1.72	1280.94	1944.94	2328.86	56.63
12128.00	16.70	59.70	11729.77	2354.36	1.88	1294.56	1966.64	2354.47	56.64
12221.00	15.40	65.10	11819.14	2379.90	2.13	1306.50	1989.38	2380.03	56.71
12314.00	13.80	58.70	11909.14	2403.18	2.44	1317.46	2010.06	2403.34	56.76
12408.00	15.60	53.20	12000.07	2427.00	2.42	1330.86	2029.76	2427.16	56.75
12501.00	15.00	50.90	12089.77	2451.48	.92	1345.94	2049.11	2451.62	56.70

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	C L O S U R E	
								Distance FT	Direction Deg
12595.00	14.50	48.30	12180.67	2475.25	.88	1361.44	2067.34	2475.36	56.63
12688.00	15.60	45.50	12270.48	2499.08	1.42	1377.95	2084.95	2499.16	56.54
12781.00	14.40	45.30	12360.31	2522.73	1.29	1394.85	2102.09	2522.78	56.43
12875.00	15.00	42.60	12451.24	2546.04	.97	1412.03	2118.63	2546.06	56.32
12969.00	14.60	43.80	12542.12	2569.45	.54	1429.53	2135.07	2569.45	56.20
13062.00	12.40	52.60	12632.55	2590.87	3.23	1444.06	2151.12	2590.87	56.13
13155.00	13.80	58.60	12723.14	2611.92	2.10	1455.91	2168.52	2611.92	56.12
13249.00	14.60	61.30	12814.26	2634.92	1.10	1467.44	2188.48	2634.92	56.16
13342.00	11.70	64.90	12904.82	2655.92	3.24	1477.07	2207.31	2655.92	56.21
13435.00	11.80	71.00	12995.87	2674.43	1.34	1484.16	2224.84	2674.44	56.29
13529.00	13.00	57.10	13087.70	2694.29	3.41	1493.04	2242.81	2694.32	56.35
13623.00	13.00	58.30	13179.29	2715.43	.29	1504.34	2260.68	2715.46	56.36
13717.00	13.60	63.90	13270.77	2736.94	1.51	1514.76	2279.60	2736.98	56.40
13809.00	14.60	66.90	13360.00	2759.05	1.35	1524.06	2299.98	2759.11	56.47
13903.00	13.90	71.40	13451.11	2781.57	1.39	1532.31	2321.58	2781.67	56.57
13996.00	13.20	75.60	13541.52	2802.36	1.30	1538.52	2342.45	2802.52	56.70
14090.00	13.20	68.90	13633.04	2822.94	1.63	1545.05	2362.86	2823.17	56.82
14183.00	14.10	66.30	13723.42	2844.44	1.17	1553.43	2383.14	2844.73	56.90
14277.00	12.00	74.20	13814.99	2865.00	2.93	1560.69	2403.03	2865.36	57.00
Projection to Bit									
14368.00	12.00	74.20	13904.00	2882.99	.00	1565.84	2421.24	2883.44	57.11