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District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

Form C-103
May 27, 2004

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

WELL API NO. 30-005-27950
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Mescalero Springs State Com
8. Well Number 2
9. OGRID Number 20165
10. Pool name or Wildcat Wildcat Mississippian

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Samson Resources Company

3. Address of Operator
200 North Loraine St., Ste 1010, Midland, TX 79701

4. Well Location
Unit Letter O : 660 feet from the South line and 1980 feet from the East line
Section 23 Township 11S Range 31E NMPM Chaves County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
GR - 4451 ft

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: Horizontal drilling ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS ☐ P ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Samson intends to plug back the above captioned well and sidetrack to a different bottom hole location. Verbal permission to plug well was granted by Gary Wink on December 10, 2006 at approximately 14:00 hrs. The plugging program includes setting cement plugs at the following depths across the mentioned formations:

TD - 25 sx at 11,215 ft.
Atoka - 10,115 ft - 10,215 ft.
Wolfcamp - 8,448 ft - 8,348 ft.
Abo - 6,970 ft - 7,470 ft.

The new bottomhole location is 1,660 ft FSL & 1,980 ft FEL of Sec. 23 Twn. 11S R. 31E. The well will be sidetracked off of the cement plug set across the top of the Abo.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Brad P. Hargrave TITLE Senior Landman DATE 12/13/06

Type or print name Brad P. Hargrave E-mail address: bhargrave@samson.com Telephone No. 906/591-1939
For State Use Only

APPROVED BY: Chris Williams TITLE DISTRICT SUPERVISOR/GENERAL MANAGER DATE _____

CONDITION OF APPROVAL - Will require form C-102 showing the Bottomhole Location and dedicated acreage before you can produce.

DEC 26 2006

Planned Wellpath Report

Plan #1
Page 1 of 3



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Samson Resources	Slot	#2_SHL
Area	Chavez County, NM	Well	Mescalero Springs State Com #2
Field	Wildcat Mississippian (Mescalero)	Wellbore	#2_PWB
Facility	Mescalero Springs State Com		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect™ 1.2
North Reference	Grid	User	Gomeoscr
Scale	0.999941	Report Generated	12/11/06 at 11:44:39
Wellbore last revised	12/11/06	Database/Source file	WellArchitectDB/#2_PWB

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North [feet]	East [feet]	Easting [US feet]	Northing [US feet]	Latitude [°]	Longitude [°]
Slot Location	0.00	0.00	666048.20	853221.60	33 20 39.587N	103 47 22.582W
Facility Reference Pt			666048.20	853221.60	33 20 39.587N	103 47 22.582W
Field Reference Pt			666048.20	853221.60	33 20 39.587N	103 47 22.582W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on #2_SHL (RT) to Facility Vertical Datum	0.00 feet
Horizontal Reference Pt	Slot	Rig on #2_SHL (RT) to Mean Sea Level	0.00 feet
Vertical Reference Pt	Rig on #2_SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00 feet
MD Reference Pt	Rig on #2_SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	0.00°

Planned Wellpath Report

Plan #1
Page 2 of 3



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Samson Resources	Slot	#2_SHL
Area	Chavez County, NM	Well	Mescalero Springs State Com #2
Field	Wildcat Mississippian (Mescalero)	Wellbore	#2_PWB
Facility	Mescalero Springs State Com		

WELLPATH DATA (56 stations) † = interpolated/extrapolated station

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Design Comments	Path Comment
0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	Tie On	
7000.00	0.000	0.000	7000.00	0.00	0.00	0.00	0.00	KOP	
7100.00†	2.000	0.000	7099.98	1.75	1.75	0.00	2.00		
7200.00†	4.000	0.000	7199.84	6.98	6.98	0.00	2.00		
7300.00†	6.000	0.000	7299.45	15.69	15.69	0.00	2.00		Abo Shale
7400.00†	8.000	0.000	7398.70	27.88	27.88	0.00	2.00		
7500.00†	10.000	0.000	7497.47	43.52	43.52	0.00	2.00		
7600.00†	12.000	0.000	7595.62	62.60	62.60	0.00	2.00		
7700.00†	14.000	0.000	7692.22	83.70	83.70	0.00	2.00		
7800.00†	16.000	0.000	7789.64	110.98	110.98	0.00	2.00		
7900.00†	18.000	0.000	7885.27	140.21	140.21	0.00	2.00		
8000.00†	20.000	0.000	7979.82	172.77	172.77	0.00	2.00		
8100.00†	22.000	0.000	8073.17	208.60	208.60	0.00	2.00		
8200.00†	24.000	0.000	8164.22	247.62	247.62	0.00	2.00		
8300.00†	26.000	0.000	8255.84	289.93	289.93	0.00	2.00		
8392.52	27.850	0.000	8338.33	331.83	331.83	0.00	2.00	EOB	
8400.00†	27.850	0.000	8344.94	335.32	335.32	0.00	0.00		
8428.34†	27.850	0.000	8370.00	348.56	348.56	0.00	0.00		Wolfcamp
8500.00†	27.850	0.000	8453.33	382.04	382.04	0.00	0.00		
8600.00†	27.850	0.000	8521.78	428.75	428.75	0.00	0.00		
8700.00†	27.850	0.000	8610.19	475.47	475.47	0.00	0.00		
8800.00†	27.850	0.000	8698.61	522.19	522.19	0.00	0.00		
8875.72	27.850	0.000	8765.56	557.56	557.56	0.00	0.00	EOH/Start Drop	
8900.00†	27.850	0.000	8822.06	582.44	582.44	0.00	1.50		
9000.00†	25.986	0.000	8876.37	613.82	613.82	0.00	1.50		
9100.00†	24.486	0.000	8966.82	656.46	656.46	0.00	1.50		
9200.00†	22.986	0.000	9058.36	696.71	696.71	0.00	1.50		
9300.00†	21.486	0.000	9150.92	734.55	734.55	0.00	1.50		
9400.00†	19.986	0.000	9243.48	770.56	770.56	0.00	1.50		
9500.00†	18.486	0.000	9338.85	802.90	802.90	0.00	1.50		
9600.00†	16.986	0.000	9434.10	833.36	833.36	0.00	1.50		
9700.00†	15.486	0.000	9530.11	861.32	861.32	0.00	1.50		
9800.00†	13.986	0.000	9626.82	886.76	886.76	0.00	1.50		
9900.00†	12.486	0.000	9724.16	910.56	910.56	0.00	1.50		
10000.00†	10.986	0.000	9822.06	930.00	930.00	0.00	1.50		
10100.00†	9.486	0.000	9920.47	947.77	947.77	0.00	1.50		
10200.00†	7.986	0.000	10019.30	962.95	962.95	0.00	1.50		
10300.00†	6.486	0.000	10118.51	975.55	975.55	0.00	1.50		
10336.71†	5.986	0.000	10155.60	979.52	979.52	0.00	1.50		Alpha

INTEQ

Operator	Samson Resources	Slot	#2_SHL
Area	Chavez County, NM	Well	Mescalero Springs State Com #2
Field	Wildcat Mississippian (Mescalero)	Wellbore	#2_PWB
Facility	Mescalero Springs State Com		

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Design Comments	Path Comment
10400.00†	4.986	0.000	10218.00	985.54	985.54	0.00	1.50		
10500.00†	3.486	0.000	10317.73	992.93	992.93	0.00	1.50		
10600.00†	1.986	0.000	10417.61	997.70	997.70	0.00	1.50		
10700.00†	0.486	0.000	10517.58	999.86	999.86	0.00	1.50		
			10550.00†	1000.00	1000.00	0.00	1.50 EOD		
10782.42†	0.000	0.000	10600.00	1000.00	1000.00	0.00	0.00		Morrow
10800.00†	0.000	0.000	10617.58	1000.00	1000.00	0.00	0.00		
10900.00†	0.000	0.000	10717.58	1000.00	1000.00	0.00	0.00		
11000.00†	0.000	0.000	10817.58	1000.00	1000.00	0.00	0.00		
				1000.00	1000.00	0.00	0.00		
11200.00†	0.000	0.000	11017.58	1000.00	1000.00	0.00	0.00		
11232.42†	0.000	0.000	11050.00	1000.00	1000.00	0.00	0.00		Miss Lime
11300.00†	0.000	0.000	11117.58	1000.00	1000.00	0.00	0.00		
11400.00†	0.000	0.000	11217.58	1000.00	1000.00	0.00	0.00		
11532.42	0.000	0.000	11350.00	1000.00	1000.00	0.00	0.00	#2 BHL	

[illegible]

Samson Resources

Location: Chavez County, NM Slot: #2_SHL
Field: Wildcat Mississippi (Mescalero) Well: Mescalero Springs State Com #2
Facility: Mescalero Springs State Com Wellbore: #2 PWB

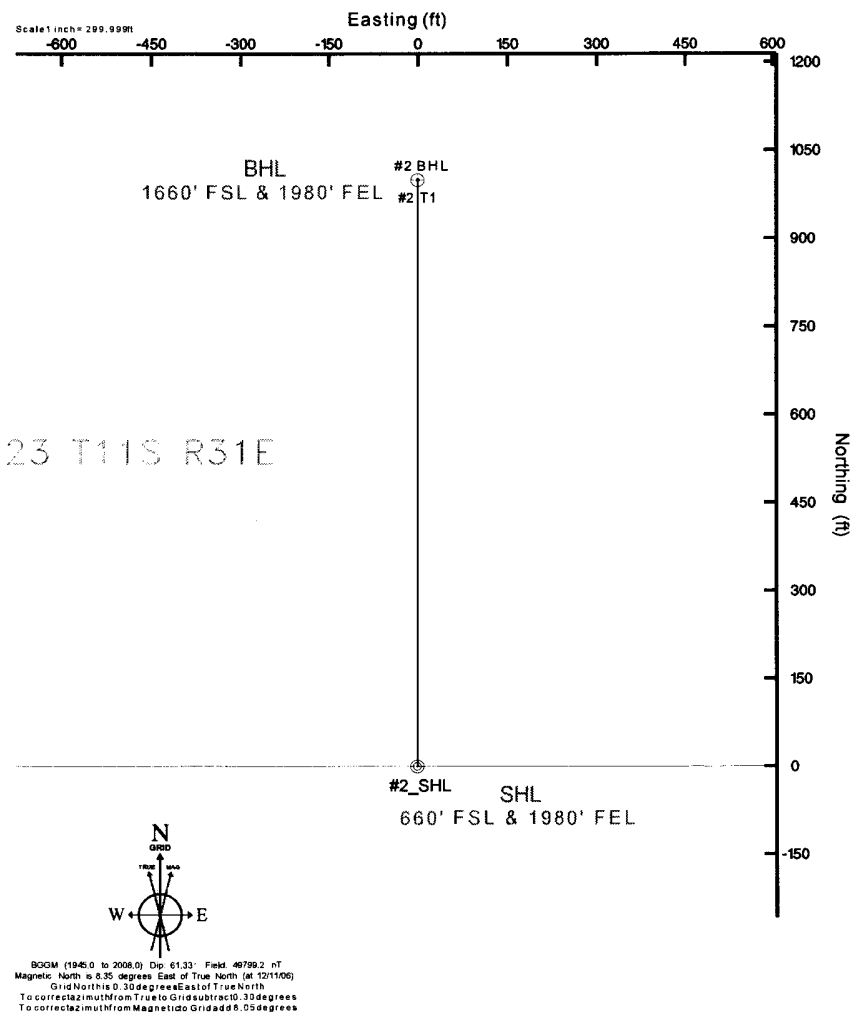
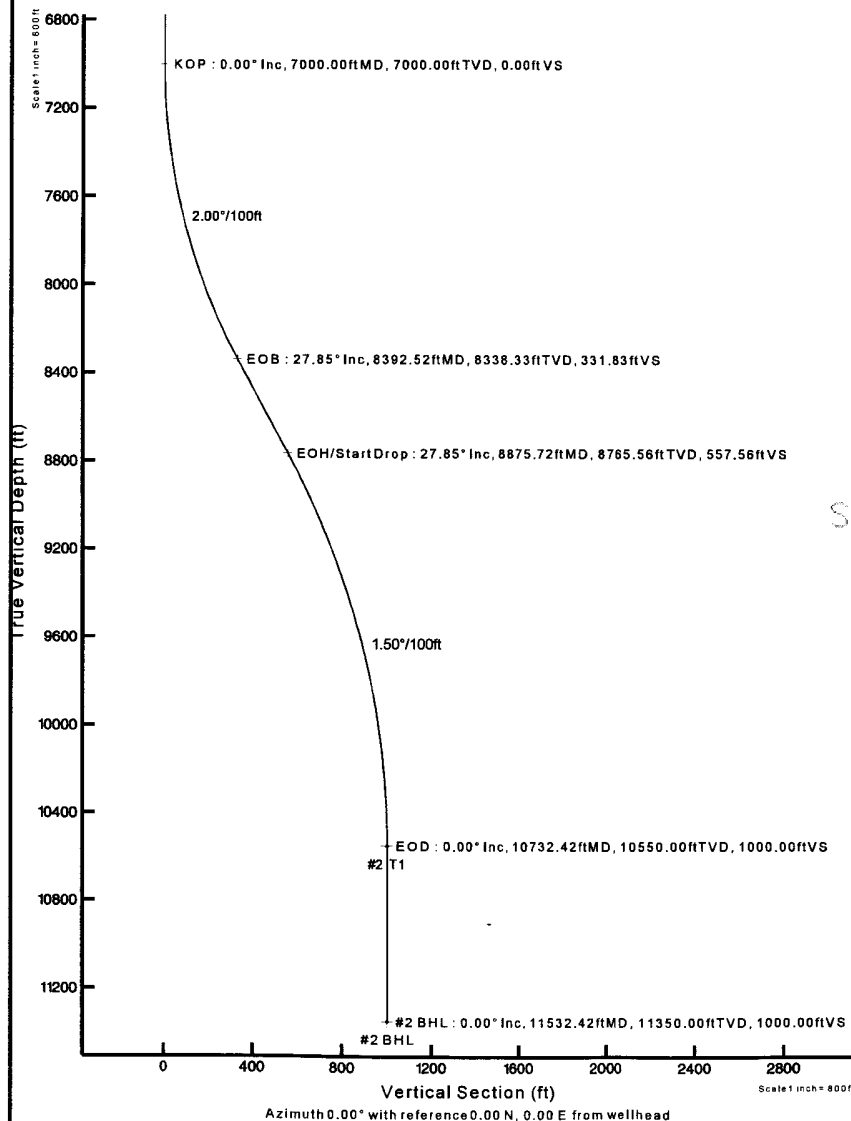


Well Profile Data

DesignComment	MD (ft)	Inc (")	Az (")	TVD (ft)	Local N (ft)	Local E (ft)	DLS ("/100ft)	VS (ft)
Tie On	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00
KOP	7000.00	0.000	0.000	7000.00	0.00	0.00	0.00	0.00
EOB	8392.52	27.850	0.000	8338.33	331.83	0.00	2.00	331.83
EOH/StartDrop	8875.72	27.850	0.000	8765.56	557.56	0.00	0.00	557.56
EOD	10732.42	0.000	0.000	10550.00	1000.00	0.00	1.50	1000.00
#2 BHL	11532.42	0.000	0.000	11350.00	1000.00	0.00	0.00	1000.00

Plot reference wellpath is Plan #1

True vertical depths are referenced to Rig on #2_SHL (RT)	Grid System: NAD27 / TM New Mexico State Planes Eastern Zone (3001), US feet
Measured depths are referenced to Rig on #2_SHL (RT)	North Reference: Grid north
Rig on #2_SHL (RT) to Mean Sea Level 0 feet	Scale: True distance
Mean Sea Level to Mud line (Facility - Mescalero Springs State Com) 0 feet	Depth: are in feet
Coordinates are in feet referenced to Slot	Created by: gomeosci on 12/11/2006



PROPOSED WELLPATH REPORT (CSV version)
 Prepared by Baker Hughes INTEQ
 Software System: WellArchitect™ 1.2

REFERENCE WELLPATH IDENTIFICATION

Operator Samson Resources
 Area Chavez County, NM
 Field Wildcat Mississippian (Mescalero)
 Facility Mescalero Springs State Com
 Slot #2_SHL
 Well Mescalero Springs State Com #2
 Wellbore #2 PWB
 Wellpath Plan #1
 Sidetrack (none)

REPORT SETUP INFORMATION

Projection NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet
 North Refe Grid
 Scale 0.999941
 Wellbore L #####
 Software S WellArchitect™
 User Gomeoscr
 Report Ge 12/11/06 at 11:46:15
 DataBase/ WellArchitectDB/ev05.xml

WELLPAT	Local	North	Local	East	Grid	North	Latitude	Longitude
	[ft]	[ft]	[ft]	[ft]	[ft]	[°]	[°]	
Slot Locati	0	0	666048.2	853221.6	33 20 39.5	103 47 22.582W		
Facility Re			666048.2	853221.6	33 20 39.5	103 47 22.582W		
Field Refer			666048.2	853221.6	33 20 39.5	103 47 22.582W		

WELLPATH DATUM

Calculator Minimum curvature
 Horizontal Slot
 Vertical Re Rig on #2_SHL (RT)
 MD Refere Rig on #2_SHL (RT)
 Field Vertic Mean Sea Level
 Rig on #2_ 0.00 feet
 Rig on #2_ 0.00 feet
 Facility Ver 0.00 feet
 Section Or 0.00 feet
 Section Or 0.00 feet
 Section Az 0.00°

WELLPATH DATA Wellbore: #2 PWB Wellpath: Plan #1 † = interpolated/extrapolated station									
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	DLS	Design Co	Path Comr Tgt#
feet	deg	deg	feet	feet	feet	feet	deg/100ft		
0	0	0	0	0	0	0	0	0	Tie On
† 100	0	0	100	0	0	0	0	0	
† 200	0	0	200	0	0	0	0	0	
† 300	0	0	300	0	0	0	0	0	
† 400	0	0	400	0	0	0	0	0	
† 500	0	0	500	0	0	0	0	0	
† 600	0	0	600	0	0	0	0	0	
† 700	0	0	700	0	0	0	0	0	
† 800	0	0	800	0	0	0	0	0	
† 900	0	0	900	0	0	0	0	0	
† 1000	0	0	1000	0	0	0	0	0	
† 1100	0	0	1100	0	0	0	0	0	
† 1200	0	0	1200	0	0	0	0	0	
† 1300	0	0	1300	0	0	0	0	0	
† 1400	0	0	1400	0	0	0	0	0	
† 1500	0	0	1500	0	0	0	0	0	
† 1600	0	0	1600	0	0	0	0	0	
† 1700	0	0	1700	0	0	0	0	0	
† 1800	0	0	1800	0	0	0	0	0	
† 1900	0	0	1900	0	0	0	0	0	
† 2000	0	0	2000	0	0	0	0	0	
† 2100	0	0	2100	0	0	0	0	0	
† 2200	0	0	2200	0	0	0	0	0	
† 2300	0	0	2300	0	0	0	0	0	
† 2400	0	0	2400	0	0	0	0	0	
† 2500	0	0	2500	0	0	0	0	0	
† 2600	0	0	2600	0	0	0	0	0	
† 2700	0	0	2700	0	0	0	0	0	
† 2800	0	0	2800	0	0	0	0	0	
† 2900	0	0	2900	0	0	0	0	0	
† 3000	0	0	3000	0	0	0	0	0	
† 3100	0	0	3100	0	0	0	0	0	
† 3200	0	0	3200	0	0	0	0	0	
† 3300	0	0	3300	0	0	0	0	0	
† 3400	0	0	3400	0	0	0	0	0	
† 3500	0	0	3500	0	0	0	0	0	
† 3600	0	0	3600	0	0	0	0	0	
† 3700	0	0	3700	0	0	0	0	0	
† 3800	0	0	3800	0	0	0	0	0	
† 3900	0	0	3900	0	0	0	0	0	
† 4000	0	0	4000	0	0	0	0	0	
† 4100	0	0	4100	0	0	0	0	0	
† 4200	0	0	4200	0	0	0	0	0	

†	4300	0	0	4300	0	0	0	0	
†	4400	0	0	4400	0	0	0	0	
†	4500	0	0	4500	0	0	0	0	
†	4600	0	0	4600	0	0	0	0	
†	4700	0	0	4700	0	0	0	0	
†	4800	0	0	4800	0	0	0	0	
†	4900	0	0	4900	0	0	0	0	
†	5000	0	0	5000	0	0	0	0	
†	5100	0	0	5100	0	0	0	0	
†	5200	0	0	5200	0	0	0	0	
†	5300	0	0	5300	0	0	0	0	
†	5400	0	0	5400	0	0	0	0	
†	5500	0	0	5500	0	0	0	0	
†	5600	0	0	5600	0	0	0	0	
†	5700	0	0	5700	0	0	0	0	
†	5800	0	0	5800	0	0	0	0	
†	5900	0	0	5900	0	0	0	0	
†	6000	0	0	6000	0	0	0	0	
†	6100	0	0	6100	0	0	0	0	
†	6200	0	0	6200	0	0	0	0	
†	6300	0	0	6300	0	0	0	0	
†	6400	0	0	6400	0	0	0	0	
†	6500	0	0	6500	0	0	0	0	
†	6600	0	0	6600	0	0	0	0	
†	6700	0	0	6700	0	0	0	0	
†	6800	0	0	6800	0	0	0	0	
†	6900	0	0	6900	0	0	0	0	
†	7000	0	0	7000	0	0	0	0	KOP
†	7100	2	0	7099.98	1.75	1.75	0	2	
†	7200	4	0	7199.84	6.98	6.98	0	2	
†	7219.21	4.364	0	7218	8.31	8.31	0	2	Abo Shale
†	7300	6	0	7299.45	15.69	15.69	0	2	
†	7400	8	0	7398.7	27.88	27.88	0	2	
†	7500	10	0	7497.47	43.52	43.52	0	2	
†	7600	12	0	7595.62	62.6	62.6	0	2	
†	7700	14	0	7693.06	85.1	85.1	0	2	
†	7800	16	0	7789.64	110.98	110.98	0	2	
†	7900	18	0	7885.27	140.21	140.21	0	2	
†	8000	20	0	7979.82	172.77	172.77	0	2	
†	8100	22	0	8073.17	208.6	208.6	0	2	
†	8200	24	0	8165.21	247.67	247.67	0	2	
†	8300	26	0	8255.84	289.93	289.93	0	2	
†	8392.52	27.85	0	8338.33	331.83	331.83	0	2	EOB
†	8400	27.85	0	8344.94	335.32	335.32	0	0	
†	8428.34	27.85	0	8370	348.56	348.56	0	0	Wolfcamp
†	8500	27.85	0	8433.36	382.04	382.04	0	0	
†	8600	27.85	0	8521.78	428.75	428.75	0	0	
†	8700	27.85	0	8610.19	475.47	475.47	0	0	
†	8800	27.85	0	8698.61	522.19	522.19	0	0	
†	8875.72	27.85	0	8765.56	557.56	557.56	0	0	EOH/Start Drop
†	8900	27.486	0	8787.06	568.84	568.84	0	1.5	
†	9000	25.986	0	8876.37	613.82	613.82	0	1.5	
†	9100	24.486	0	8966.82	656.46	656.46	0	1.5	
†	9200	22.986	0	9058.36	696.71	696.71	0	1.5	
†	9300	21.486	0	9150.92	734.55	734.55	0	1.5	
†	9400	19.986	0	9244.44	769.96	769.96	0	1.5	
†	9500	18.486	0	9338.85	802.9	802.9	0	1.5	
†	9600	16.986	0	9434.1	833.36	833.36	0	1.5	
†	9700	15.486	0	9530.11	861.32	861.32	0	1.5	
†	9800	13.986	0	9626.82	886.76	886.76	0	1.5	
†	9900	12.486	0	9724.16	909.66	909.66	0	1.5	
†	10000	10.986	0	9822.06	930	930	0	1.5	
†	10100	9.486	0	9920.47	947.77	947.77	0	1.5	
†	10200	7.986	0	10019.3	962.95	962.95	0	1.5	
†	10300	6.486	0	10118.51	975.55	975.55	0	1.5	
†	10336.71	5.936	0	10155	979.52	979.52	0	1.5	Atoka
†	10400	4.986	0	10218	985.54	985.54	0	1.5	
†	10500	3.486	0	10317.73	992.93	992.93	0	1.5	
†	10600	1.986	0	10417.61	997.7	997.7	0	1.5	
†	10700	0.486	0	10517.58	999.86	999.86	0	1.5	
†	10732.42	0	0	10550	1000	1000	0	1.5	EOD
†	10782.42	0	0	10600	1000	1000	0	0	Morrow
†	10800	0	0	10617.58	1000	1000	0	0	
†	10900	0	0	10717.58	1000	1000	0	0	
†	11000	0	0	10817.58	1000	1000	0	0	
†	11100	0	0	10917.58	1000	1000	0	0	
†	11200	0	0	11017.58	1000	1000	0	0	
†	11232.42	0	0	11050	1000	1000	0	0	Miss Lime
†	11300	0	0	11117.58	1000	1000	0	0	
†	11400	0	0	11217.58	1000	1000	0	0	
†	11500	0	0	11317.58	1000	1000	0	0	
†	11532.42	0	0	11350	1000	1000	0	0	#2 BHL

TARGETS

Name	MD feet	TVD feet	North feet	East feet	Grid East us survey	Grid North us survey	Latitude DegMinSec	Longitude DegMinSec	Shape	Comment	Design Comments
(1) #2 T1	10732.42	10550	1000		0	666048.2	854221.5	33 20 49.4	103 47 22	point	
#2 BHL		11350	1000		0	666048.2	854221.5	33 20 49.4	103 47 22	point	1660' FSL & 1980' FEL Sec. 23 T11S R31E