

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

HOBBS OCD

JUN 02 2014

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No. HALLERTAU 4 FEDERAL 5H
2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: DEYSI FAVELA E-Mail: dfavela@cimarex.com		9. API Well No. 30-025-41062-00-X1
3a. Address 600 NORTH MARIENFELD STREET, SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1964	10. Field and Pool, or Exploratory WC-025 G08 S253235G
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T26S R32E NWNW 330FNL 710FWL		11. County or Parish, and State LEA COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Cimarex Energy Respectfully Requests changes to the original APD:

Proposed:

After drilling and setting surface and intermediate casing, drill 8 3/4" hole to 8615', log, and drill curve and lateral to TD @ 13,771'.
No Pilot hole
KOP 8615'
Landing TVD 9350'
MD 13771'

Additional cement may be required on production casing - excess cals. to 1%

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #246616 verified by the BLM Well Information System

For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs

Committed to AFMSS for processing by CHRISTOPHER WALLS on 05/22/2014 (14CRW0181SE)

Name (Printed/Typed) DEYSI FAVELA

Title DRILLING TECHNICIAN

Signature

(Electronic Submission)

Date 05/22/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>Chris Walls</u>	Title <u>Engineer</u>	Date <u>5/23/14</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office <u>CFO</u>	<u>KJ</u>

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

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Cactus 104

Cimarex

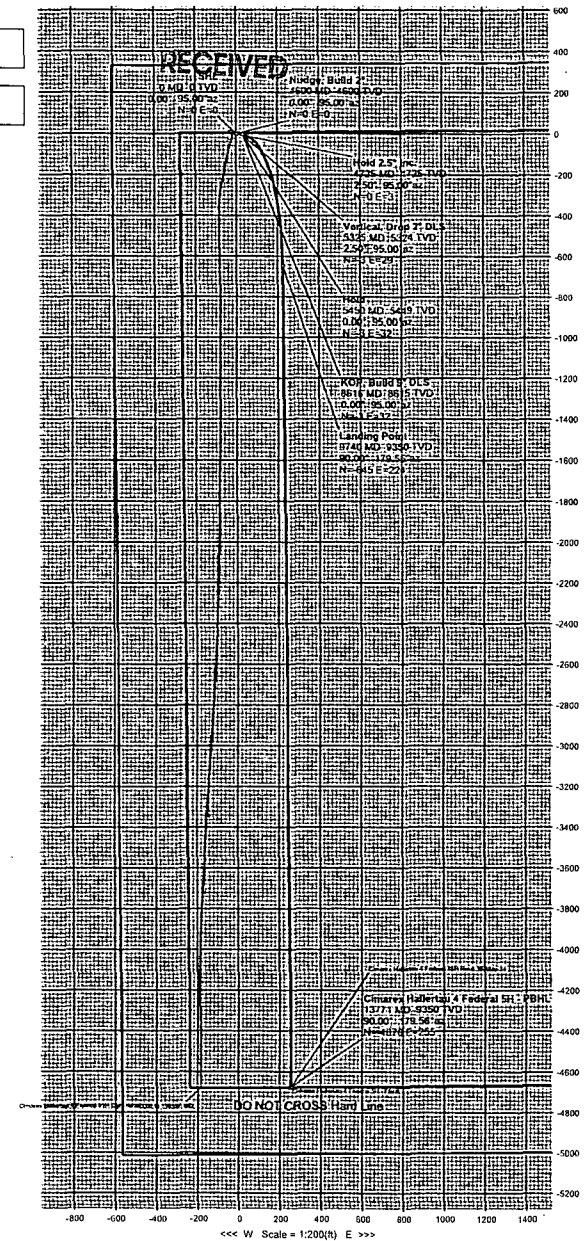
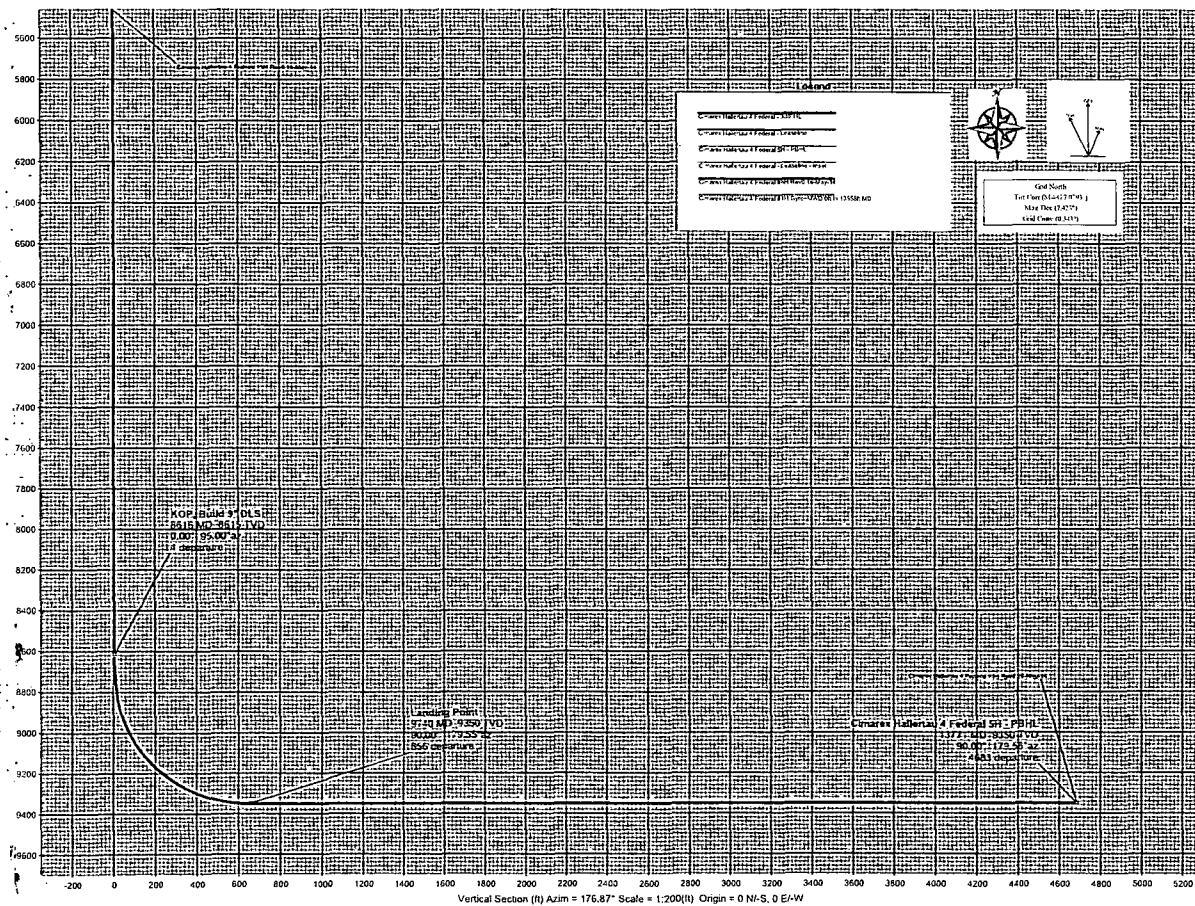
Rev0

PATHFINDER
 A Schlumberger Company

JUN 02 2014

Cimarex Hallertau 4 Federal #5H		FIELD NM Lea County (NAD 83)		STRUCTURE Cimarex Hallertau 4 Federal #5H	
Assemble Parameters		Survey Location	NAD83 New Mexico State Plane, Eastern Zone, 175 Feet	Miscellaneous:	
Project: H0401 2014	Dip: 59.911°	Date: May 16, 2014	Lat: N 32 443.344	Station:	Cimarex Hallertau 4 Federal #5H TVD 5H: RKH37300 above 355L
Map Desc: 7.421°	PS: 4192 InT		Long: W 103 11 12.192	Plan:	Cimarex Hallertau 4 Federal #5H Borehole/Wellbore 16, 2014

Comments	Survey MD(ft)	Inclination(deg)	Azimuth(deg)	TVD(ft)	Sub-Sea TVD	VS(ft)	NS(ft)	EW(ft)	Latitude(deg)	Longitude(deg)	Easting(NIS)	Northing(NIS)	Closure(N)	Closure Azimuth(deg)	DLS(7100ft)	Tool Face(deg)
SHA	0.00	0.00	55.00	0.00	-3330.00	0.00	0.00	0.00	N 32 443.344	W 103 11 12.192	741610.40	392970.90	0.00	0.00	0.00	95.00
Nudge, Build 2'	4600.00	0.00	55.00	4600.00	1270.00	0.00	0.00	0.00	N 32 443.344	W 103 11 12.192	741610.40	392970.90	0.00	0.00	0.00	95.00
Hold 2.5' Inc.	4725.00	2.50	95.00	4724.98	1394.96	0.39	-0.24	2.72	N 32 443.342	W 103 11 12.150	741613.12	392970.66	2.73	95.00	2.00	95.00
Vertical, Drop 2' DLS	5325.00	2.50	95.00	5324.39	1994.39	4.09	-2.52	28.79	N 32 443.318	W 103 11 11.857	741639.19	392968.38	28.90	95.00	0.00	95.00
Hold	5450.00	0.00	95.00	5449.35	2119.35	4.47	-2.76	31.50	N 32 443.315	W 103 11 11.826	741641.90	392968.14	31.62	95.00	2.00	95.00
KOP, Build 9' DLS	8615.65	0.00	95.00	8615.00	5285.00	4.47	-2.76	31.50	N 32 443.315	W 103 11 11.826	741641.90	392968.14	31.62	95.00	0.00	95.00
Avellan Shale	8615.65	0.00	95.00	8615.00	5285.00	4.47	-2.76	31.50	N 32 443.315	W 103 11 11.826	741641.90	392968.14	31.62	95.00	0.00	111.63
	8812.57	17.64	111.63	8807.89	5477.89	17.00	-13.79	59.32	N 32 443.204	W 103 11 11.503	741669.72	392957.11	60.90	103.08	9.00	0.00
	8812.57	17.64	111.63	8807.89	5477.89	17.14	-13.91	59.62	N 32 443.203	W 103 11 11.500	741670.01	392957.00	61.22	103.13	0.00	68.86
Landing Point	9740.00	90.00	179.55	9350.00	6020.00	656.37	-645.11	224.00	N 32 436.948	W 103 11 9.633	741834.39	392325.82	682.89	166.85	9.00	90.00
Cimarex Hallertau 4 Federal 5H - PBHL	13771.03	90.00	179.56	9350.00	6070.00	4682.99	-4676.02	255.41	N 32 357.059	W 103 11 9.549	741855.80	388295.10	4582.99	176.87	0.00	



Drawn By: Current User
 Date Created: May 15, 2014 02:52:13 PM
 Checked By:
 Checked Date:
 Approved By:
 Approved Date:



Cimarex Hallertau 4 Federal #5H Rev0 16-May-14 Proposal Report

(Non-Def Plan)



Report Date: May 16, 2014 - 02:50 PM
Client: Cimarex
Field: NM Lea County (NAD 83)
Structure / Slot: Cimarex Hallertau 4 Federal #5H / Cimarex Hallertau 4 Federal #5H
Well: Cimarex Hallertau 4 Federal #5H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Hallertau 4 Federal #5H Rev0 16-May-14
Survey Date: May 16, 2014
Tort / AHD / DDI / ERD Ratio: 106.104 ° / 4764.390 ft / 5.872 / 0.510
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 4' 43.34428", W 103° 41' 12.19165"
Location Grid N/E Y/X: N 392970.900 ftUS, E 741610.400 ftUS
CRS Grid Convergence Angle: 0.3434 °
Grid Scale Factor: 0.99995503

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 176.874 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3330.000 ft above MSL
Seabed / Ground Elevation: 3310.000 ft above MSL
Magnetic Declination: 7.423 °
Total Field Strength: 48192.077 nT
Magnetic Dip Angle: 59.951 °
Declination Date: May 16, 2014
Magnetic Declination Model: BGGM 2014
North Reference: Grid North
Grid Convergence Used: 0.3434 °
Total Corr Mag North->Grid North: 7.0793 °
Local Coord Referenced To: Structure Reference Point

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Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
SHL	0.00	0.00	95.00	0.00	-3330.00	0.00	0.00	0.00	N/A	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
Nudge, Build 2"	4600.00	0.00	95.00	4600.00	1270.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
Hold 2.5" Inc.	4725.00	2.50	95.00	4724.96	1394.96	0.39	-0.24	2.72	2.00	392970.66	741613.12	N 32 4 43.34	W 103 41 12.16
Vertical, Drop 2"	5325.00	2.50	95.00	5324.39	1994.39	4.09	-2.52	28.79	0.00	392968.38	741639.19	N 32 4 43.32	W 103 41 11.86
DLS	5450.00	0.00	95.00	5449.35	2119.35	4.47	-2.76	31.50	2.00	392968.14	741641.90	N 32 4 43.32	W 103 41 11.83
Avalon Shale KOP, Build 9" DLS	8615.65	0.00	95.00	8615.00	5285.00	4.47	-2.76	31.50	0.00	392968.14	741641.90	N 32 4 43.32	W 103 41 11.83
	8811.62	17.64	111.63	8807.89	5477.89	17.00	-13.79	59.32	9.00	392957.11	741669.72	N 32 4 43.20	W 103 41 11.50
	8812.67	17.64	111.63	8808.89	5478.89	17.14	-13.91	59.62	0.00	392957.00	741670.01	N 32 4 43.20	W 103 41 11.50
Landing Point	9740.00	90.00	179.55	9350.00	6020.00	656.37	-645.11	224.00	9.00	392325.82	741834.39	N 32 4 36.95	W 103 41 9.63
Cimarex Hallertau 4 Federal 5H - PBHL	13771.03	90.00	179.56	9350.00	6020.00	4682.99	-4676.02	255.41	0.00	388295.10	-741865.80	N 32 3 57.06	W 103 41 9.55

Survey Type: Non-Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	20.000	1/100.000	30.000	30.000	SLB_MWD-POOR-Depth Only	Original Borehole / Cimarex Hallertau 4 Federal #5H Rev0 16-
	20.000	8615.000	1/100.000	30.000	30.000	SLB_MWD-POOR	Original Borehole / Cimarex Hallertau 4 Federal #5H Rev0 16-
	8615.000	13771.030	1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / Cimarex Hallertau 4 Federal #5H Rev0 16-



Cimarex Hallertau 4 Federal #5H Rev0 16-May-14 Proposal Report (Non-Def Plan)



Report Date: May 16, 2014 - 02:50 PM
Client: Cimarex
Field: NM Lea County(NAD 83)
Structure / Slot: CimarexHallertau4 Federal#5H / CimarexHallertau4 Federal#5H
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UWI / API#: Unknown/ Unknown
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Tort / AHD / DDI / ERD Ratio: 106.104 ° / 4764.390 ft / 5.872 / 0.510
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
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Total Corr Mag North->Grid North: 7.0793 °
Local Coord Referenced To: StructureReferencePoint

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Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS ("/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
BHL	0.00	0.00	95.00	0.00	-3330.00	0.00	0.00	0.00	N/A	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	100.00	0.00	95.00	100.00	-3230.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	200.00	0.00	95.00	200.00	-3130.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	300.00	0.00	95.00	300.00	-3030.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	400.00	0.00	95.00	400.00	-2930.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	500.00	0.00	95.00	500.00	-2830.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	600.00	0.00	95.00	600.00	-2730.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	700.00	0.00	95.00	700.00	-2630.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	800.00	0.00	95.00	800.00	-2530.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	900.00	0.00	95.00	900.00	-2430.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	1000.00	0.00	95.00	1000.00	-2330.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	1100.00	0.00	95.00	1100.00	-2230.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	1200.00	0.00	95.00	1200.00	-2130.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	1300.00	0.00	95.00	1300.00	-2030.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	1400.00	0.00	95.00	1400.00	-1930.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	1500.00	0.00	95.00	1500.00	-1830.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	1600.00	0.00	95.00	1600.00	-1730.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	1700.00	0.00	95.00	1700.00	-1630.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	1800.00	0.00	95.00	1800.00	-1530.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	1900.00	0.00	95.00	1900.00	-1430.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	2000.00	0.00	95.00	2000.00	-1330.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	2100.00	0.00	95.00	2100.00	-1230.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	2200.00	0.00	95.00	2200.00	-1130.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	2300.00	0.00	95.00	2300.00	-1030.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	2400.00	0.00	95.00	2400.00	-930.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	2500.00	0.00	95.00	2500.00	-830.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	2600.00	0.00	95.00	2600.00	-730.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	2700.00	0.00	95.00	2700.00	-630.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	2800.00	0.00	95.00	2800.00	-530.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	2900.00	0.00	95.00	2900.00	-430.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	3000.00	0.00	95.00	3000.00	-330.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	3100.00	0.00	95.00	3100.00	-230.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	3200.00	0.00	95.00	3200.00	-130.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	3300.00	0.00	95.00	3300.00	-30.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19
	3400.00	0.00	95.00	3400.00	70.00	0.00	0.00	0.00	0.00	392970.90	741610.40	N 32 4 43.34	W 103 41 12.19

Comments	MD	Incl	Azim Grid	TVD	TVDS	VSEC	NS	EW	DLS	Northng	Easting	Latitude	Longitude
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft/100ft)	(ft)	(ft)	(N/S ° ° '")	(E/W ° ° '")
Avalon Shale													
KOP, Build 9° DLS	8615.65	0.00	95.00	8615.00	5285.00	4.47	-2.76	31.50	0.00	392968.14	741641.90	N 32 4 43.32	W 103 41 11.83
	8700.00	7.59	111.63	8699.10	5369.10	6.81	-4.81	36.64	9.00	392968.09	741641.09	N 32 4 43.29	W 103 41 11.77
	8800.00	16.59	111.63	8796.78	5466.10	15.57	-12.53	56.14	9.00	392958.37	741666.54	N 32 4 43.22	W 103 41 11.54
	8811.62	17.64	111.63	8807.89	5477.89	17.14	-13.79	59.32	9.00	392957.00	741670.01	N 32 4 43.20	W 103 41 11.50
	8812.67	17.64	111.63	8808.89	5478.89	17.14	-13.91	59.62	0.00	392957.00	741670.01	N 32 4 43.20	W 103 41 11.50
	8900.00	21.71	131.81	8891.20	5561.20	34.11	-29.57	83.99	9.00	392944.33	741694.39	N 32 4 43.05	W 103 41 11.22
	9000.00	28.32	146.40	8981.86	5651.86	61.72	-61.72	110.95	9.00	392909.18	741721.35	N 32 4 42.73	W 103 41 10.91
	9100.00	35.51	155.55	9066.55	5736.55	115.54	-108.27	136.27	9.00	392862.64	741746.66	N 32 4 42.26	W 103 41 10.62
	9200.00	43.98	161.78	9143.18	5813.18	194.32	-168.07	179.53	9.00	392802.84	741769.71	N 32 4 41.67	W 103 41 10.35
	9300.00	52.31	166.39	9209.86	5879.86	249.09	-239.65	179.53	9.00	392731.26	741789.92	N 32 4 40.96	W 103 41 10.12
	9400.00	60.77	170.06	9264.96	5934.96	331.49	-321.25	196.40	9.00	392649.66	741806.79	N 32 4 40.15	W 103 41 9.93
	9500.00	69.32	173.12	9307.12	5977.12	410.86	-410.86	209.53	9.00	392560.06	741819.92	N 32 4 39.27	W 103 41 9.79
	9600.00	77.92	175.94	9335.29	6005.29	517.44	-506.28	218.58	9.00	392464.65	741828.97	N 32 4 38.32	W 103 41 9.69
	9700.00	86.55	178.53	9348.80	6018.80	616.42	-605.14	223.33	9.00	392365.79	741833.72	N 32 4 37.34	W 103 41 9.64
	9740.00	90.00	179.55	9350.00	6020.00	656.37	-645.11	224.00	8.00	392325.82	741834.39	N 32 4 36.95	W 103 41 9.63
LandingPoint	9800.00	90.00	179.55	9350.00	6020.00	716.30	-705.11	224.47	0.00	392265.82	741834.86	N 32 4 36.35	W 103 41 9.63
	9900.00	90.00	179.55	9350.00	6020.00	816.19	-805.11	225.26	0.00	392165.83	741835.65	N 32 4 35.36	W 103 41 9.63
	10000.00	90.00	179.55	9350.00	6020.00	916.09	-905.10	226.04	0.00	392065.84	741836.43	N 32 4 34.37	W 103 41 9.63
	10100.00	90.00	179.55	9350.00	6020.00	1015.98	-1005.10	226.83	0.00	391965.85	741837.21	N 32 4 33.39	W 103 41 9.63
	10200.00	90.00	179.55	9350.00	6020.00	1115.87	-1105.10	227.61	0.00	391865.85	741838.00	N 32 4 32.40	W 103 41 9.62
	10300.00	90.00	179.55	9350.00	6020.00	1215.76	-1205.10	228.39	0.00	391765.86	741838.78	N 32 4 31.41	W 103 41 9.62
	10400.00	90.00	179.55	9350.00	6020.00	1315.65	-1305.09	229.18	0.00	391665.87	741839.57	N 32 4 30.42	W 103 41 9.62
	10500.00	90.00	179.55	9350.00	6020.00	1415.54	-1405.09	229.96	0.00	391565.88	741840.35	N 32 4 29.43	W 103 41 9.62
	10600.00	90.00	179.55	9350.00	6020.00	1515.43	-1505.09	230.74	0.00	391465.88	741841.13	N 32 4 28.44	W 103 41 9.61
	10700.00	90.00	179.55	9350.00	6020.00	1615.32	-1605.08	231.53	0.00	391365.89	741841.91	N 32 4 27.45	W 103 41 9.61
	10800.00	90.00	179.55	9350.00	6020.00	1715.21	-1705.08	232.31	0.00	391265.90	741842.70	N 32 4 26.46	W 103 41 9.61
	10900.00	90.00	179.55	9350.00	6020.00	1815.10	-1805.08	233.09	0.00	391165.91	741843.48	N 32 4 25.47	W 103 41 9.61
	11000.00	90.00	179.55	9350.00	6020.00	1914.99	-1905.07	233.87	0.00	391065.92	741844.26	N 32 4 24.48	W 103 41 9.61
	11100.00	90.00	179.55	9350.00	6020.00	2014.88	-2005.07	234.65	0.00	390965.92	741845.04	N 32 4 23.49	W 103 41 9.60
	11200.00	90.00	179.55	9350.00	6020.00	2114.77	-2105.07	235.43	0.00	390865.93	741845.82	N 32 4 22.50	W 103 41 9.60
	11300.00	90.00	179.55	9350.00	6020.00	2214.67	-2205.06	236.22	0.00	390765.94	741846.60	N 32 4 21.51	W 103 41 9.60
	11400.00	90.00	179.55	9350.00	6020.00	2314.56	-2305.06	237.00	0.00	390665.95	741847.38	N 32 4 20.52	W 103 41 9.60
	11500.00	90.00	179.55	9350.00	6020.00	2414.45	-2405.06	237.78	0.00	390565.95	741848.16	N 32 4 19.53	W 103 41 9.60
	11600.00	90.00	179.55	9350.00	6020.00	2514.34	-2505.06	238.56	0.00	390465.96	741848.94	N 32 4 18.54	W 103 41 9.59
	11700.00	90.00	179.55	9350.00	6020.00	2614.23	-2605.05	239.34	0.00	390365.97	741849.72	N 32 4 17.55	W 103 41 9.59
	11800.00	90.00	179.55	9350.00	6020.00	2714.12	-2705.05	240.11	0.00	390265.98	741850.50	N 32 4 16.56	W 103 41 9.59
	11900.00	90.00	179.55	9350.00	6020.00	2814.01	-2805.05	240.89	0.00	390165.99	741851.28	N 32 4 15.57	W 103 41 9.59
	12000.00	90.00	179.55	9350.00	6020.00	2913.90	-2905.04	241.67	0.00	390065.99	741852.06	N 32 4 14.58	W 103 41 9.59
	12100.00	90.00	179.55	9350.00	6020.00	3013.79	-3005.04	242.45	0.00	389966.00	741852.84	N 32 4 13.59	W 103 41 9.58
	12200.00	90.00	179.55	9350.00	6020.00	3113.68	-3105.04	243.23	0.00	389866.01	741853.62	N 32 4 12.60	W 103 41 9.58
	12300.00	90.00	179.55	9350.00	6020.00	3213.57	-3205.03	244.01	0.00	389766.02	741854.39	N 32 4 11.62	W 103 41 9.58
	12400.00	90.00	179.55	9350.00	6020.00	3313.46	-3305.03	244.78	0.00	389666.02	741855.17	N 32 4 10.63	W 103 41 9.58
	12500.00	90.00	179.55	9350.00	6020.00	3413.35	-3405.03	245.56	0.00	389566.03	741855.95	N 32 4 9.64	W 103 41 9.58
	12600.00	90.00	179.55	9350.00	6020.00	3513.24	-3505.03	246.34	0.00	389466.04	741856.73	N 32 4 8.65	W 103 41 9.57
	12700.00	90.00	179.56	9350.00	6020.00	3613.13	-3605.02	247.11	0.00	389366.05	741857.50	N 32 4 7.66	W 103 41 9.57
	12800.00	90.00	179.56	9350.00	6020.00	3713.02	-3705.02	247.89	0.00	389266.06	741858.28	N 32 4 6.67	W 103 41 9.57
	12900.00	90.00	179.56	9350.00	6020.00	3812.91	-3805.02	248.67	0.00	389166.06	741859.05	N 32 4 5.68	W 103 41 9.57
	13000.00	90.00	179.56	9350.00	6020.00	3912.81	-3905.01	249.44	0.00	389066.07	741859.83	N 32 4 4.69	W 103 41 9.56
	13100.00	90.00	179.56	9350.00	6020.00	4012.70	-4005.01	250.22	0.00	388966.08	741860.61	N 32 4 3.70	W 103 41 9.56
	13200.00	90.00	179.56	9350.00	6020.00	4112.59	-4105.01	250.99	0.00	388866.09	741861.38	N 32 4 2.71	W 103 41 9.56
	13300.00	90.00	179.56	9350.00	6020.00	4212.48	-4205.00	251.77	0.00	388766.09	741862.16	N 32 4 1.72	W 103 41 9.56
	13400.00	90.00	179.56	9350.00	6020.00	4312.37	-4305.00	252.54	0.00	388666.10	741862.93	N 32 4 0.73	W 103 41 9.56
	13500.00	90.00	179.56	9350.00	6020.00	4412.26	-4405.00	253.32	0.00	388566.11	741863.70	N 32 3 59.74	W 103 41 9.55
	13600.00	90.00	179.56	9350.00	6020.00	4512.15	-4504.99	254.09	0.00	388466.12	741864.48	N 32 3 58.75	W 103 41 9.55
	13700.00	90.00	179.56	9350.00	6020.00	4612.04	-4604.99	254.86	0.00	388366.12	741865.25	N 32 3 57.76	W 103 41 9.55