

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
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

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

Form C-103

June 19, 2008

WELL API NO. 30-025-41114
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Ophelia 27
8. Well Number 1H
9. OGRID Number 7377
10. Pool name or Wildcat Red Hills; Bone Spring Upper Shale

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 EOG Resources, Inc.
3. Address of Operator P.O. Box 2267 Midland, TX 79702
4. Well Location Unit Letter <u>H</u> : <u>2422</u> feet from the <u>North</u> line and <u>422</u> feet from the <u>East</u> line Section <u>27</u> Township <u>26S</u> Range <u>33E</u> NMPM County <u>Lea</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3307' GR

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 ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
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.

EOG Resources requests an amendment to our approved APD due to a change in surface location.

New surface location is : 2422' FNL & 422' FEL, U/L H, Sec 27, T26S, R33E Lea County.

From: 2490/N & 380/E U/L H, S27, T26S, R33E

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 6/10/13

Type or print name Stan Wagner E-mail address: _____ PHONE 432-686-3689

For State Use Only

APPROVED BY [Signature] TITLE Petroleum Engineer DATE JUN 18 2013

Conditions of Approval (if any):

JUN 18 2013

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-41114 ✓		² Pool Code 97900	³ Pool Name Red Hills; Bone Spring Upper Shale
⁴ Property Code 39814	⁵ Property Name OPHELIA 27 ✓		⁶ Well Number #1H
⁷ OGRID No. 7377 ✓	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3307'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	27	26-S	33-E	-	2422'	NORTH	422'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	22	26-S	33-E	-	2410'	SOUTH	380'	EAST	LEA

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ 22 27	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=742014 Y=374858 LAT.: N 32.0281949 LONG.: W 103.5524015 LOWER MOST PERF. NEW MEXICO EAST NAD 1927 X=742015 Y=374758 LAT.: N 32.0279200 LONG.: W 103.5524014 UPPER MOST PERF. NEW MEXICO EAST NAD 1927 X=742049 Y=370139 LAT.: N 32.0152207 LONG.: W 103.5523987 SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=742008 Y=370026 LAT.: N 32.0149130 LONG.: W 103.5525326	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Stan Wagner</i> 6/10/13 Signature Date Stan Wagner Printed Name E-mail Address 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief. 5/20/2013 Date of Survey MICHAEL BROWN Signature and Seal of Professional Surveyor NEW MEXICO 18329 PROFESSIONAL SURVEYOR Certificate Number
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* Amended

Permit Information:

Well Name: Ophelia 27 No. 1H

Location:

SL: 2422' FNL & 422' FEL, Section 27, T-26-S, R-33-E, Lea Co., N.M.

BHL: 2410' FSL & 380' FEL, Section 22, T-26-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 – 900'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4000' – 5100'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'-14,228'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
900'	300	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	200	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,100'	800	12.7	2.22	Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
14,228'	375	10.8	3.67	60:40:0 Class C + 15.0 pps BA-90 + 4% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.0 pps LCM-1
	400	11.8	2.38	50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.40% SMS + 2.0% Salt + 0.30% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake
	1350	14.2	1.28	50:50:2 Class H + 0.65% FL-52 + 0.45% CD-32 + 0.10% SMS + 2.0% Salt

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 900'	Fresh - Gel	8.6-8.8	28-34	N/c
900' – 5,100'	Brine	10.0-10.2	28-34	N/c
5,100' – 9,116'	Cut Brine	8.4-9.0	28-34	N/c
9,116' – 14,228' Lateral	Cut Brine	9.0-9.5	40-42	8-10

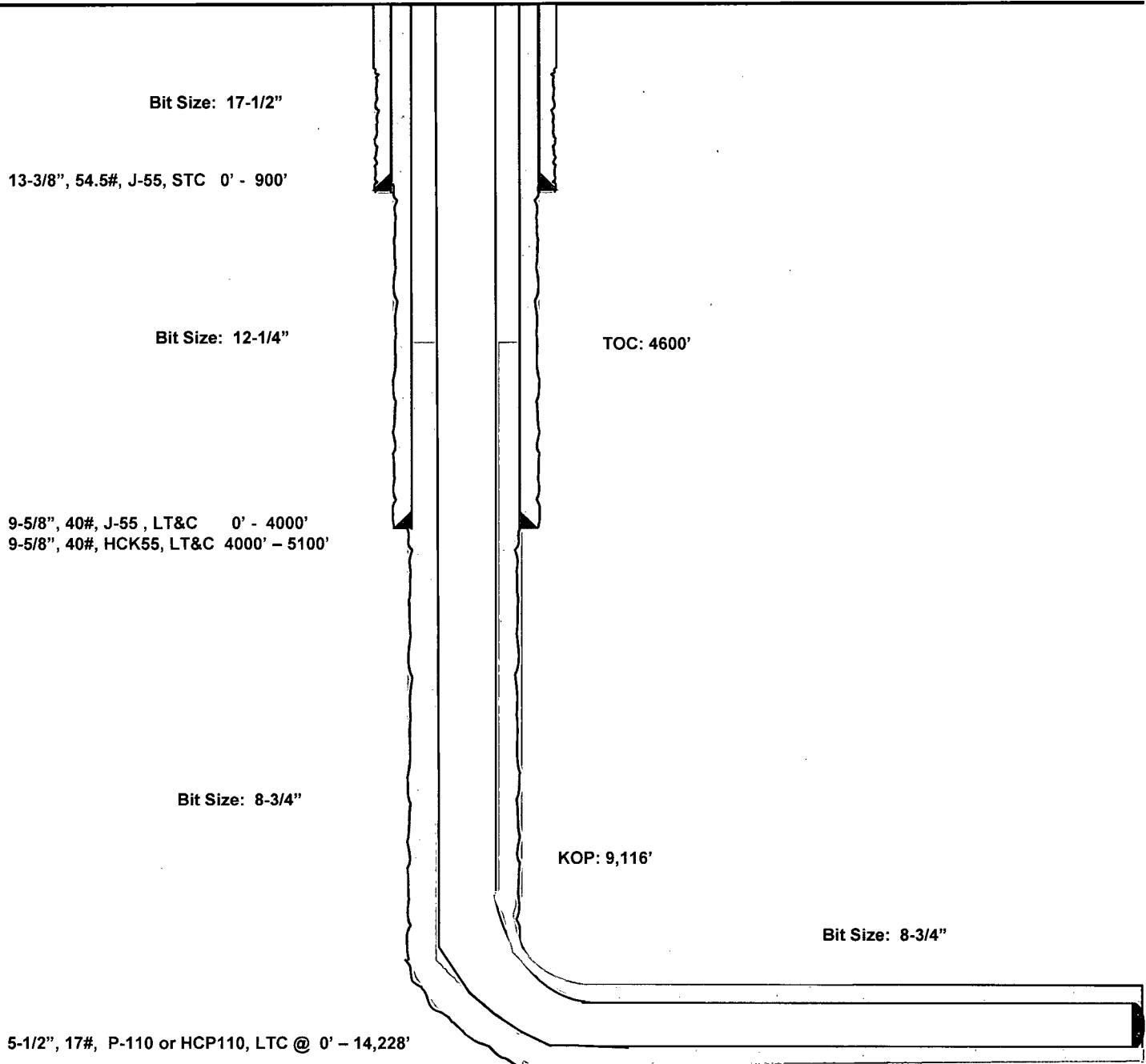
Ophelia 27 #1H
Lea County, New Mexico

2422' FNL
422' FEL
Section 27
T-26-S, R-33-E

Proposed Wellbore

API: 30-025-

KB: 3,537'
GL: 3,307'



Lateral: 14,228' MD, 9,562' TVD

BH Location: 2410' FSL & 380' FEL
Section 22
T-26-S, R-33-E

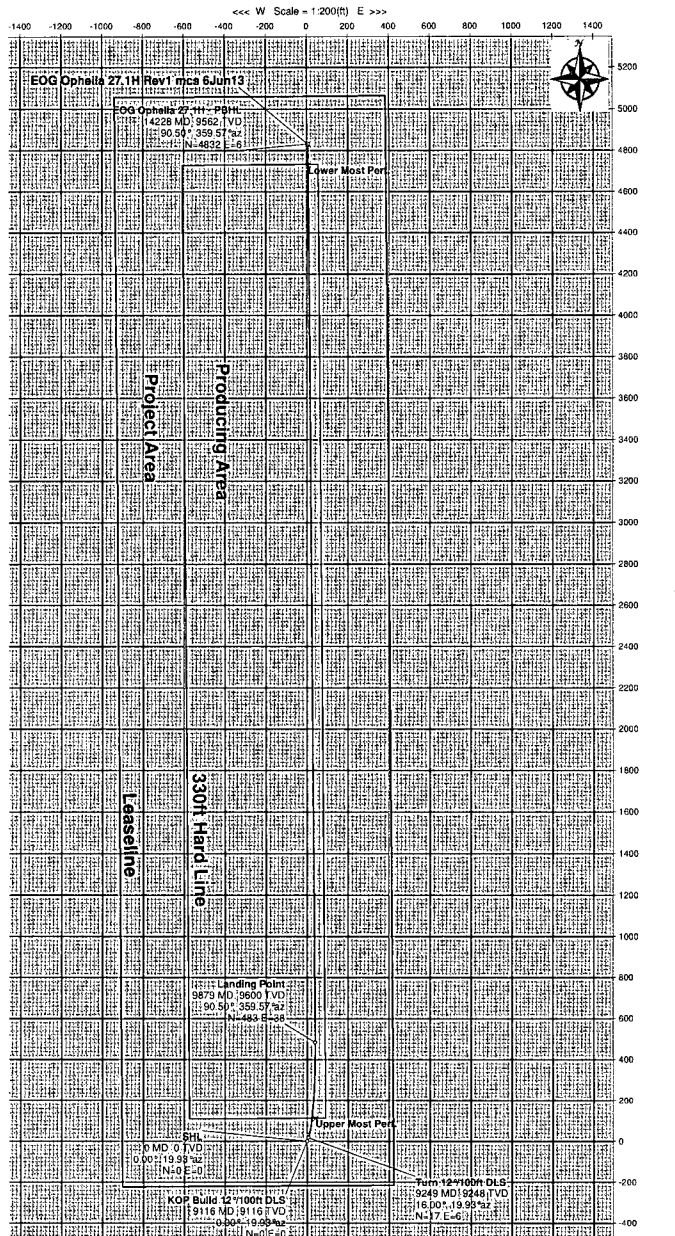
WELL: Ophelia 27 1H	FIELD: Lea County, NM (NAD 27)	STRUCTURE: Cactus 123
Magnetic Parameters Model: BOGM 2012 Dip: 59.95° Mag Dec: 7.442°	Date: April 10, 2013 PS: 48216 JdT	Surface Location NAD27 New Mexico State Plane, Eastern Zone, US Feet Lat: N 32 0 53.684 Long: W 103 33 9.120 Northing: 370026.00 Easting: 742008.00 Grid Conv: 0.414° Scale Fact: 0.99979617
Miscellaneous Site: Ophelia 27 1H Plan: Rev 1 mcs 6Jun13	TVD Ref: RKB(3376 above) Srvy Date: April 10, 2013	

Legend

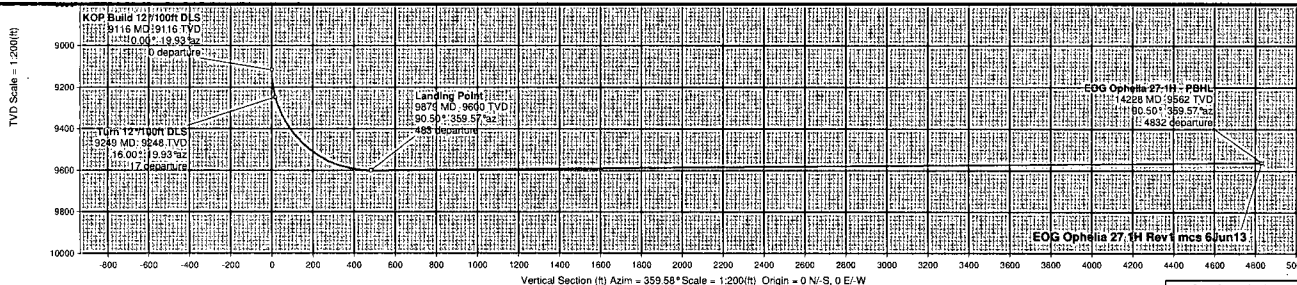
EOG Ophelia 27 1H - Upper Most Per.	
EOG Ophelia 27 1H - 330ft Hard Line	
EOG Ophelia 27 1H - PBHL	
EOG Ophelia 27 1H - Landing Point	
EOG Ophelia 27 1H - Lower Most Per.	
EOG Ophelia 27 1H Rev 1 mcs 6Jun13	



Grid North
Tot Corr (M->G 7.0277°)
Mag Dec (7.442°)
Grid Conv (0.414°)



Comments	Survey MD	Inc	Azim	TVD	SSTVD	VS	NS	EW	Longitude	Latitude	Easting	Northing	DLS	Tool Face
SHL	0.00	0.00	19.93	0.00	-3337.00	0.00	0.00	0.00	N 32 0 53.684 W 103 33	9.120	742008.00	370026.00	0.00	19.93
KOP Build 12°/100ft DLS	9116.11	0.00	19.93	9116.11	5779.11	0.00	0.00	0.00	N 32 0 53.684 W 103 33	9.120	742008.00	370026.00	0.00	19.93
Turn 12°/100ft DLS	9249.44	16.00	19.93	9247.72	5910.72	17.34	17.39	6.30	N 32 0 53.855 W 103 33	9.045	742014.30	370043.39	12.00	-21.05
Landing Point	9878.79	90.50	359.57	9600.00	6263.00	482.74	483.04	38.31	N 32 0 58.461 W 103 33	8.634	742046.31	370509.02	12.00	0.00
PBHL	14228.16	90.50	359.57	9562.00	6225.00	4831.95	4832.12	6.00	N 32 1 41.500 W 103 33	8.644	742014.00	374858.00	0.00	



Drawn By: MSeller
Date Created: June 06, 2013 01:26:47 PM
Checked By: _____
Approved By: _____
Approved Date: _____



EOG Ophelia 27 1H Rev1 mcs 6Jun13 Proposal Geodetic Report

(Non-Def Plan)



Report Date: June 06, 2013 - 01:19 PM
Client: Eog Resources
Field: NM Lea County (NAD 27)
Structure / Slot: EOG Ophelia 27 1H / EOG Ophelia 27 1H
Well: EOG Ophelia 27 1H
Borehole: Original Borehole
UWI / API#: Cactus 123 / Unknown
Survey Name: EOG Ophelia 27 1H Rev1 mcs 6Jun13
Survey Date: April 10, 2013
Tort / AHD / DDI / ERD Ratio: 91.521 * / 4835.592 ft / 5.817 / 0.504
Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 0' 53.6830", W 103° 33' 9.11968"
Location Grid N/E Y/X: N 370026.000 ftUS, E 742008.000 ftUS
CRS Grid Convergence Angle: 0.4140 *
Grid Scale Factor: 0.99997617

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 359.579 * (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3337.000 ft above
Seabed / Ground Elevation: 3307.000 ft above
Magnetic Declination: 7.442 *
Total Gravity Field Strength: 998.4783mgn (9.80665 Based)
Total Magnetic Field Strength: 48286.197 nT
Magnetic Dip Angle: 59.905 *
Declination Date: April 10, 2013
Magnetic Declination Model: BGGM 2012
North Reference: Grid North
Grid Convergence Used: 0.4140 *
Total Corr Mag North->Grid North: 7.0277 *
Local Coord Referenced To: Structure Reference Point

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	19.93	0.00	-3337.00	0.00	0.00	0.00	N/A	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	100.00	0.00	19.93	100.00	-3237.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	200.00	0.00	19.93	200.00	-3137.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	300.00	0.00	19.93	300.00	-3037.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	400.00	0.00	19.93	400.00	-2937.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	500.00	0.00	19.93	500.00	-2837.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	600.00	0.00	19.93	600.00	-2737.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	700.00	0.00	19.93	700.00	-2637.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	800.00	0.00	19.93	800.00	-2537.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	900.00	0.00	19.93	900.00	-2437.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
1000.00	0.00	19.93	1000.00	-2337.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
1100.00	0.00	19.93	1100.00	-2237.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
1200.00	0.00	19.93	1200.00	-2137.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
1300.00	0.00	19.93	1300.00	-2037.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
1400.00	0.00	19.93	1400.00	-1937.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
1500.00	0.00	19.93	1500.00	-1837.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
1600.00	0.00	19.93	1600.00	-1737.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
1700.00	0.00	19.93	1700.00	-1637.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
1800.00	0.00	19.93	1800.00	-1537.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
1900.00	0.00	19.93	1900.00	-1437.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
2000.00	0.00	19.93	2000.00	-1337.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
2100.00	0.00	19.93	2100.00	-1237.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
2200.00	0.00	19.93	2200.00	-1137.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
2300.00	0.00	19.93	2300.00	-1037.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
2400.00	0.00	19.93	2400.00	-937.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
2500.00	0.00	19.93	2500.00	-837.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
2600.00	0.00	19.93	2600.00	-737.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
2700.00	0.00	19.93	2700.00	-637.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
2800.00	0.00	19.93	2800.00	-537.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
2900.00	0.00	19.93	2900.00	-437.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
3000.00	0.00	19.93	3000.00	-337.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
3100.00	0.00	19.93	3100.00	-237.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
3200.00	0.00	19.93	3200.00	-137.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
3300.00	0.00	19.93	3300.00	-37.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
3400.00	0.00	19.93	3400.00	63.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
3500.00	0.00	19.93	3500.00	163.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
3600.00	0.00	19.93	3600.00	263.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
3700.00	0.00	19.93	3700.00	363.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
3800.00	0.00	19.93	3800.00	463.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
3900.00	0.00	19.93	3900.00	563.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
4000.00	0.00	19.93	4000.00	663.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
4100.00	0.00	19.93	4100.00	763.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
4200.00	0.00	19.93	4200.00	863.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
4300.00	0.00	19.93	4300.00	963.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
4400.00	0.00	19.93	4400.00	1063.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
4500.00	0.00	19.93	4500.00	1163.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
4600.00	0.00	19.93	4600.00	1263.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
4700.00	0.00	19.93	4700.00	1363.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
4800.00	0.00	19.93	4800.00	1463.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
4900.00	0.00	19.93	4900.00	1563.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
5000.00	0.00	19.93	5000.00	1663.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
5100.00	0.00	19.93	5100.00	1763.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
5200.00	0.00	19.93	5200.00	1863.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
5300.00	0.00	19.93	5300.00	1963.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
5400.00	0.00	19.93	5400.00	2063.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
5500.00	0.00	19.93	5500.00	2163.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
5600.00	0.00	19.93	5600.00	2263.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
5700.00	0.00	19.93	5700.00	2363.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
5800.00	0.00	19.93	5800.00	2463.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
5900.00	0.00	19.93	5900.00	2563.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
6000.00	0.00	19.93	6000.00	2663.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
6100.00	0.00	19.93	6100.00	2763.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
6200.00	0.00	19.93	6200.00	2863.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
6300.00	0.00	19.93	6300.00	2963.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
6400.00	0.00	19.93	6400.00	3063.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
6500.00	0.00	19.93	6500.00	3163.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
6600.00	0.00	19.93	6600.00	3263.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
6700.00	0.00	19.93	6700.00	3363.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
6800.00	0.00	19.93	6800.00	3463.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12	
6900.00	0.00</												

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ft)	Easting (ft)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	7200.00	0.00	19.93	7200.00	3863.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	7300.00	0.00	19.93	7300.00	3863.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	7400.00	0.00	19.93	7400.00	4063.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	7500.00	0.00	19.93	7500.00	4163.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	7600.00	0.00	19.93	7600.00	4263.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	7700.00	0.00	19.93	7700.00	4363.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	7800.00	0.00	19.93	7800.00	4463.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	7900.00	0.00	19.93	7900.00	4563.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	8000.00	0.00	19.93	8000.00	4663.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	8100.00	0.00	19.93	8100.00	4763.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	8200.00	0.00	19.93	8200.00	4863.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	8300.00	0.00	19.93	8300.00	4963.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	8400.00	0.00	19.93	8400.00	5063.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	8500.00	0.00	19.93	8500.00	5163.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	8600.00	0.00	19.93	8600.00	5263.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	8700.00	0.00	19.93	8700.00	5363.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	8800.00	0.00	19.93	8800.00	5463.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	8900.00	0.00	19.93	8900.00	5563.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	9000.00	0.00	19.93	9000.00	5663.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	9100.00	0.00	19.93	9100.00	5763.00	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
KOP Build 12"/100ft DLS	9116.11	0.00	19.93	9116.11	5778.11	0.00	0.00	0.00	0.00	370026.00	742008.00	N 32 0 53.68	W 103 33 9.12
	9200.00	10.07	19.93	9199.57	5862.57	6.89	6.91	2.51	12.00	370023.91	742010.51	N 32 0 53.75	W 103 33 9.09
Turn 12"/100ft DLS	9249.44	16.00	19.93	9247.72	5910.72	17.34	17.39	6.30	12.00	370043.39	742014.30	N 32 0 53.86	W 103 33 9.04
	9300.00	21.77	14.05	9295.54	5958.54	32.97	33.05	10.96	12.00	370059.05	742018.96	N 32 0 54.01	W 103 33 8.99
	9400.00	33.48	8.28	9384.00	6047.00	78.35	78.50	19.47	12.00	370104.49	742027.47	N 32 0 54.46	W 103 33 8.89
	9500.00	45.33	5.27	9461.14	6124.14	141.23	141.43	26.73	12.00	370167.42	742034.73	N 32 0 55.08	W 103 33 8.80
	9600.00	57.23	3.30	9523.58	6186.58	218.85	219.09	32.43	12.00	370245.09	742040.43	N 32 0 55.85	W 103 33 8.72
	9700.00	69.16	1.80	9588.60	6231.60	307.82	308.09	36.33	12.00	370334.09	742044.33	N 32 0 56.73	W 103 33 8.67
	9800.00	81.09	0.52	9594.23	6257.23	404.26	404.55	38.25	12.00	370430.54	742046.25	N 32 0 57.68	W 103 33 8.64
Landing Point	9878.79	90.50	359.57	9600.00	6263.00	482.74	483.04	38.31	12.00	370509.02	742046.31	N 32 0 58.46	W 103 33 8.63
	9900.00	90.50	359.57	9599.81	6262.81	503.95	504.25	38.15	0.00	370530.23	742046.15	N 32 0 58.67	W 103 33 8.63
	10000.00	90.50	359.57	9598.94	6261.94	603.95	604.24	37.41	0.00	370630.22	742045.41	N 32 0 59.66	W 103 33 8.63
	10100.00	90.50	359.57	9598.06	6261.06	703.94	704.23	36.66	0.00	370730.21	742044.66	N 32 1 0.65	W 103 33 8.63
	10200.00	90.50	359.57	9597.19	6260.19	803.94	804.23	35.92	0.00	370830.20	742043.92	N 32 1 1.64	W 103 33 8.63
	10300.00	90.50	359.57	9596.32	6259.32	903.94	904.22	35.18	0.00	370930.20	742043.18	N 32 1 2.63	W 103 33 8.64
	10400.00	90.50	359.57	9595.44	6258.44	1003.93	1004.21	34.43	0.00	371030.19	742042.43	N 32 1 3.62	W 103 33 8.64
	10500.00	90.50	359.57	9594.57	6257.57	1103.93	1104.21	33.69	0.00	371130.18	742041.69	N 32 1 4.61	W 103 33 8.64
	10600.00	90.50	359.57	9593.70	6256.70	1203.92	1204.20	32.95	0.00	371230.17	742040.95	N 32 1 5.60	W 103 33 8.64
	10700.00	90.50	359.57	9592.82	6255.82	1303.92	1304.19	32.21	0.00	371330.16	742040.21	N 32 1 6.59	W 103 33 8.64
	10800.00	90.50	359.57	9591.95	6254.95	1403.92	1404.19	31.46	0.00	371430.15	742039.46	N 32 1 7.58	W 103 33 8.64
	10900.00	90.50	359.57	9591.07	6254.07	1503.91	1504.18	30.72	0.00	371530.14	742038.72	N 32 1 8.57	W 103 33 8.64
	11000.00	90.50	359.57	9590.20	6253.20	1603.91	1604.17	29.98	0.00	371630.13	742037.98	N 32 1 9.56	W 103 33 8.64
	11100.00	90.50	359.57	9589.33	6252.33	1703.91	1704.17	29.24	0.00	371730.12	742037.23	N 32 1 10.55	W 103 33 8.64
	11200.00	90.50	359.57	9588.45	6251.45	1803.90	1804.16	28.49	0.00	371830.11	742036.49	N 32 1 11.53	W 103 33 8.64
	11300.00	90.50	359.57	9587.58	6250.58	1903.90	1904.15	27.75	0.00	371930.10	742035.75	N 32 1 12.52	W 103 33 8.64
	11400.00	90.50	359.57	9586.71	6249.71	2003.89	2004.15	27.01	0.00	372030.09	742035.01	N 32 1 13.51	W 103 33 8.64
	11500.00	90.50	359.57	9585.83	6248.83	2103.89	2104.14	26.26	0.00	372130.09	742034.26	N 32 1 14.50	W 103 33 8.64
	11600.00	90.50	359.57	9584.96	6247.96	2203.89	2204.13	25.52	0.00	372230.08	742033.52	N 32 1 15.49	W 103 33 8.64
	11700.00	90.50	359.57	9584.09	6247.09	2303.88	2304.13	24.78	0.00	372330.07	742032.78	N 32 1 16.48	W 103 33 8.64
	11800.00	90.50	359.57	9583.21	6246.21	2403.88	2404.12	24.04	0.00	372430.06	742032.04	N 32 1 17.47	W 103 33 8.64
	11900.00	90.50	359.57	9582.34	6245.34	2503.87	2504.11	23.29	0.00	372530.05	742031.29	N 32 1 18.46	W 103 33 8.64
	12000.00	90.50	359.57	9581.46	6244.46	2603.87	2604.11	22.55	0.00	372630.04	742030.55	N 32 1 19.45	W 103 33 8.64
	12100.00	90.50	359.57	9580.59	6243.59	2703.87	2704.10	21.81	0.00	372730.03	742029.81	N 32 1 20.44	W 103 33 8.64
	12200.00	90.50	359.57	9579.72	6242.72	2803.86	2804.09	21.06	0.00	372830.02	742029.06	N 32 1 21.43	W 103 33 8.64
	12300.00	90.50	359.57	9578.84	6241.84	2903.86	2904.09	20.32	0.00	372930.01	742028.32	N 32 1 22.42	W 103 33 8.64
	12400.00	90.50	359.57	9577.97	6240.97	3003.86	3004.08	19.58	0.00	373030.00	742027.58	N 32 1 23.41	W 103 33 8.64
	12500.00	90.50	359.57	9577.10	6240.10	3103.85	3104.07	18.84	0.00	373129.99	742026.84	N 32 1 24.40	W 103 33 8.64
	12600.00	90.50	359.57	9576.22	6239.22	3203.85	3204.07	18.09	0.00	373229.98	742026.09	N 32 1 25.39	W 103 33 8.64
	12700.00	90.50	359.57	9575.35	6238.35	3303.84	3304.06	17.35	0.00	373329.98	742025.35	N 32 1 26.38	W 103 33 8.64
	12800.00	90.50	359.57	9574.48	6237.48	3403.84	3404.05	16.61	0.00	373429.97	742024.61	N 32 1 27.37	W 103 33 8.64
	12900.00	90.50	359.57	9573.60	6236.60	3503.84	3504.05	15.87	0.00	373529.96	742023.87	N 32 1 28.36	W 103 33 8.64
	13000.00	90.50	359.57	9572.73	6235.73	3603.83	3604.04	15.12	0.00	373629.95	742023.12	N 32 1 29.35	W 103 33 8.64
	13100.00	90.50	359.57	9571.86	6234.86	3703.83	3704.03	14.38	0.00	373729.94	742022.38	N 32 1 30.34	W 103 33 8.64
	13200.00	90.50	359.57	9570.98	6233.98	3803.83	3804.03	13.64	0.00	373829.93	742021.64	N 32 1 31.33	W 103 33 8.64
	13300.00	90.50	359.57	9570.11	6233.11	3903.82	3904.02	12.89	0.00	373929.92	742020.89	N 32 1 32.32	W 103 33 8.64
	13400.00	90.50	359.57	9569.23	6232.23	4003.82	4004.01	12.15	0.00	374029.91	742020.15	N 32 1 33.30	W 103 33 8.64
	13500.00	90.50	359.57	9568.36	6231.36	4103.81	4104.01	11.41	0.00	374129.90	742019.41	N 32 1 34.29	W 103 33 8.64
	13600.00	90.50	359.57	9567.49	6230.49	4203.81	4204.00	10.67	0.00	374229.89	742018.67	N 32 1 35.28	W 103 33 8.64
	13700.00	90.50	359.57	9566.61	6229.61	4303.81	4304.00	9.92	0.00	374329.88	742017.92	N 32 1 36.27	W 103 33 8.64
	13800.00	90.50	359.57	9565.74	6228.74	4403.80	4403.99	9.18	0.00	374429.87	742017.18	N 32 1 37.26	W 103 33 8.64
	13900.00	90.50	359.57	9564.87	6227.87	4503.80	4503.98	8.44	0.00	374529.86	742016.44	N 32 1 38.25	W 103 33 8.64
	14000.00	90.50	359.57	9563.99	6226.99	4603.79	4603.98	7.69	0.00	374629.86	742015.69	N 32 1 39.24	W 103 33 8.64
	14100.00	90.50	359.57	9563.12	6226.12								