

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

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.)		WELL API NO. 30-015-44432
1. Type of Well: Oil Well ☒ Gas Well ☐ Oil Well		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator OXY USA WTP LP		6. State Oil & Gas Lease No.
3. Address of Operator PO BOX 4294, HOUSTON, TX 77210		7. Lease Name or Unit Agreement Name TURKEY TRACK 4 3 STATE
4. Well Location Unit Letter: L : 1400 feet from the SOUTH line and 360 feet from the WEST line Section 4 Township 19S Range 29E NMPM County EDDY		8. Well Number 24H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3408' GR		9. OGRID Number 192462
		10. Pool name or Wildcat TURKEY TRACK; BONE SPRING

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

OXY USA WTP LP respectfully requests to change the well number of the Turkey Track 4 3 State #24H, API No. 30-015-44432, to the Turkey Track 4 3 State #34H and amend the APD with the following changes:

1. Change target formation from 2nd Bone Spring Sand to 3rd Bone Spring Sand. New plat and directional plan are attached.
2. Amend casing and cementing details to accommodate new target.

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:

TITLE: REGULATORY SPECIALIST DATE: 05/16/2018

Type or print name: SARAH CHAPMAN E-mail address: SARAH_CHAPMAN@OXY.COM PHONE: 713-350-4997

For State Use Only

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

**NM OIL CONSERVATION
ARTESIA DISTRICT**

MAY 16 2018

Form C-102

Revised August 1, 2011

RECEIVED

Submit one copy to appropriate
District Office

☒ **AMENDED REPORT**

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015- 44432	Pool Code 60660	Pool Name TURKEY TRACK; Bone Spring
Property Code 318404	Property Name TURKEY TRACK "4-3" STATE	Well Number 34H
OGRID No. 192463	Operator Name OXY USA INC. WTP UP	Elevation 3408.1'

Surface Location

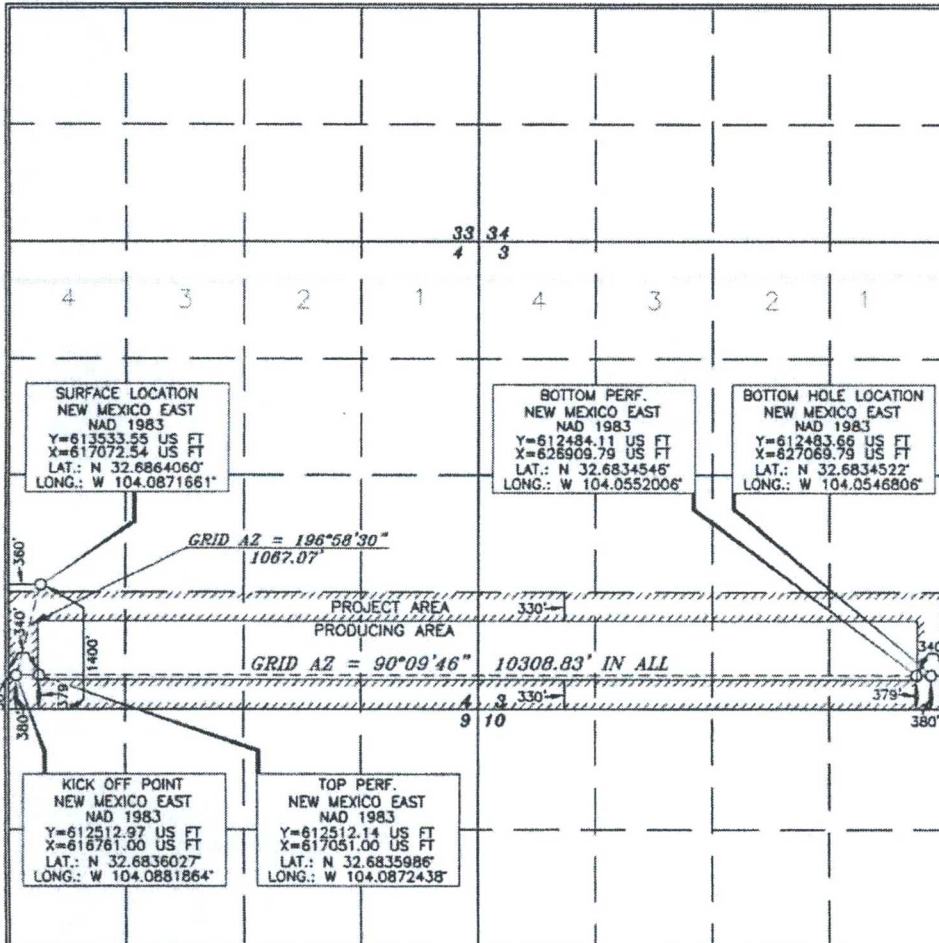
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	4	19 SOUTH	29 EAST, N.M.P.M.		1400'	SOUTH	360'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	3	19 SOUTH	29 EAST, N.M.P.M.		380'	SOUTH	180'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320	Y		

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.



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 undivided 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

Hereby entered by the division.

Signature: *Justin Morris* Date: **4-3-18**
Printed Name: **Justin Morris**
E-mail Address: **Justin.Morris@oxy.com**

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 and correct to the best of my belief.

Date of Survey: **JUNE 29, 2017**
Signature and Seal of Professional Surveyor: *Terry J. As...*

Certificate Number: **15079**

WO# 170629WL-b (KA)

Oxy USA WTP LP - Turkey Track 4-3 State 34H; API 30-015-44432

1. Casing Program

Hole Size (in)	Casing Interval		Csg. Size (in)	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	Buoyant	Buoyant
	From (ft)	To (ft)							Body SF Tension	Joint SF Tension
17.5	0	400	13.375	54.5	J55	BTC	1.125	1.2	1.4	1.4
12.25	0	2995	9.625	36	J55	BTC	1.125	1.2	1.4	1.4
8.5	0	18859	5.5	20	P110	DQX	1.125	1.2	1.4	1.4
SF Values will meet or Exceed										

3. Cementing Program

Cement volumes changed due to the change in MD.

Casing String	# Sks	Wt. (lb/gal)	Yld (ft3/sack)	H2O (gal/sk)	500# Comp. Strength (hours)	Slurry Description
Surface Lead	N/A	N/A	N/A	N/A	N/A	N/A
Surface Tail	432	14.8	1.33	6.365	5:26	Class C Cement, Accelerator
Intermediate Lead	843	12.9	1.73	8.784	15:26	Pozzolan Cement, Retarder
Intermediate Tail	156	14.8	1.33	6.368	7:11	Class C Cement, Accelerator
Production Lead	1050	11.9	2.24	12.327	14:46	Class H Cement, Retarder, Dispersant, Salt
Production Tail	2109	13.2	1.38	6.686	3:49	Class H Cement, Retarder, Dispersant, Salt

Casing String	Top (ft)	Bottom (ft)	% Excess
Surface Lead	N/A	N/A	N/A
Surface Tail	0	400	100%
Intermediate Lead	0	2495	100%
Intermediate Tail	2495	2995	20%
Production Lead	2495	7833	100%
Production Tail	7833	18859	15%

Oxy Turkey Track 4-3 State 34H Rev1 APS 05Apr18 Proposal Geodetic Report (Def Plan)



Report Date: April 07, 2018 - 05:27 PM
 Client: OXY
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Oxy Turkey Track 4-3 State 34H / Oxy Turkey Track 4-3 State 34H
 Well: Oxy Turkey Track 4-3 State 34H
 Borehole: Original Borehole
 UWI / API#: Unknown / Unknown
 Survey Name: Oxy Turkey Track 4-3 State 34H Rev1 APS 05Apr18
 Survey Date: April 05, 2018
 Tort / AHD / DDI / ERD Ratio: 105.655' / 11276.692 ft / 6.402' / 1.268
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 41' 11.06155", W 104° 5' 13.79802"
 Location Grid N/E Y/X: N 613533.550 NUS, E 617072.540 NUS
 CRS Grid Convergence Angle: 0.1329°
 Grid Scale Factor: 0.99991566
 Version / Patch: 2.10.715.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 95.995° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB=26.5'
 TVD Reference Elevation: 3431.300 ft above MSL
 Seabed / Ground Elevation: 3404.800 ft above MSL
 Magnetic Declination: 7.414°
 Total Gravity Field Strength: 998.5145mgn (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 48110.112 nT
 Magnetic Dip Angle: 60.493°
 Declination Date: April 05, 2018
 Magnetic Declination Model: HDGM 2018
 North Reference: Grid North
 Grid Convergence Used: 0.1329°
 Total Corr Mag North->Grid: 7.2808°
 North: 7.2808°
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	100.00	0.00	199.06	100.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	200.00	0.00	199.06	200.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	300.00	0.00	199.06	300.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	400.00	0.00	199.06	400.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	500.00	0.00	199.06	500.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	600.00	0.00	199.06	600.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	700.00	0.00	199.06	700.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	800.00	0.00	199.06	800.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	900.00	0.00	199.06	900.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	1000.00	0.00	199.06	1000.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	1100.00	0.00	199.06	1100.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	1200.00	0.00	199.06	1200.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	1300.00	0.00	199.06	1300.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	1400.00	0.00	199.06	1400.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	1500.00	0.00	199.06	1500.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	1600.00	0.00	199.06	1600.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	1700.00	0.00	199.06	1700.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	1800.00	0.00	199.06	1800.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	1900.00	0.00	199.06	1900.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	2000.00	0.00	199.06	2000.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	2100.00	0.00	199.06	2100.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	2200.00	0.00	199.06	2200.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	2300.00	0.00	199.06	2300.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	2400.00	0.00	199.06	2400.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	2500.00	0.00	199.06	2500.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	2600.00	0.00	199.06	2600.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	2700.00	0.00	199.06	2700.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	2800.00	0.00	199.06	2800.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	2900.00	0.00	199.06	2900.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
3000.00	0.00	199.06	3000.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80	
Build 2"/100"	3100.00	0.00	199.06	3100.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	3190.00	0.00	199.06	3190.00	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	5 13.80
	3200.00	0.20	199.06	3200.00	0.00	-0.02	-0.01	2.00	613533.53	617072.53	N 32 41 11.06 W 104	5 13.80
	3300.00	2.20	199.06	3299.97	-0.48	-2.00	-0.69	2.00	613531.55	617071.85	N 32 41 10.94 W 104	5 13.81
	3400.00	4.20	199.06	3399.81	-1.74	-7.27	-2.51	2.00	613526.28	617070.03	N 32 41 10.99 W 104	5 13.83
	3500.00	6.20	199.06	3499.40	-3.79	-15.84	-5.47	2.00	613517.71	617067.07	N 32 41 10.90 W 104	5 13.86
	3600.00	8.20	199.06	3598.60	-6.52	-27.68	-9.57	2.00	613505.87	617062.97	N 32 41 10.79 W 104	5 13.91
	3700.00	10.20	199.06	3697.31	-10.24	-42.79	-14.79	2.00	613490.76	617057.75	N 32 41 10.64 W 104	5 13.97
	3790.06	12.00	199.06	3785.69	-14.16	-50.18	-20.45	2.00	613474.37	617052.09	N 32 41 10.48 W 104	5 14.04
	3800.00	12.00	199.06	3795.40	-14.63	-61.13	-21.13	0.00	613472.42	617051.42	N 32 41 10.46 W 104	5 14.05
	3900.00	12.00	199.06	3893.22	-19.33	-80.79	-27.92	0.00	613452.77	617044.82	N 32 41 10.26 W 104	5 14.13
	4000.00	12.00	199.06	3991.03	-24.03	-100.44	-34.71	0.00	613433.12	617037.83	N 32 41 10.07 W 104	5 14.21
	4100.00	12.00	199.06	4088.85	-28.73	-120.09	-41.50	0.00	613413.47	617031.04	N 32 41 9.87 W 104	5 14.29
	4200.00	12.00	199.06	4186.66	-33.43	-139.75	-48.29	0.00	613393.82	617024.25	N 32 41 9.68 W 104	5 14.37
	4300.00	12.00	199.06	4284.48	-38.13	-159.40	-55.08	0.00	613374.16	617017.46	N 32 41 9.49 W 104	5 14.45
	4400.00	12.00	199.06	4382.29	-42.83	-179.05	-61.87	0.00	613354.51	617010.67	N 32 41 9.29 W 104	5 14.53
	4500.00	12.00	199.06	4480.10	-47.54	-198.71	-68.67	0.00	613334.86	617003.88	N 32 41 9.10 W 104	5 14.61
	4600.00	12.00	199.06	4577.92	-52.24	-218.36	-75.46	0.00	613315.21	616997.09	N 32 41 8.90 W 104	5 14.69
	4700.00	12.00	199.06	4675.73	-56.94	-238.01	-82.25	0.00	613295.56	616990.30	N 32 41 8.71 W 104	5 14.77
	4800.00	12.00	199.06	4773.55	-61.64	-257.66	-89.04	0.00	613275.91	616983.51	N 32 41 8.52 W 104	5 14.85
	4900.00	12.00	199.06	4871.36	-66.34	-277.32	-95.83	0.00	613256.26	616976.72	N 32 41 8.32 W 104	5 14.93
	5000.00	12.00	199.06	4969.18	-71.04	-296.97	-102.62	0.00	613236.61	616969.93	N 32 41 8.13 W 104	5 15.01
	5100.00	12.00	199.06	5066.99	-75.75	-316.62	-109.41	0.00	613216.95	616963.14	N 32 41 7.93 W 104	5 15.09
	5200.00	12.00	199.06	5164.80	-80.45	-336.28	-116.21	0.00	613197.30	616956.34	N 32 41 7.74 W 104	5 15.17
	5300.00	12.00	199.06	5262.62	-85.15	-355.93	-123.00	0.00	613177.65	616949.55	N 32 41 7.54 W 104	5 15.25
	5400.00	12.00	199.06	5360.43	-89.85	-375.58	-129.79	0.00	613158.00	616942.76	N 32 41 7.35 W 104	5 15.33
	5500.00	12.00	199.06	5458.25	-94.55	-395.24	-136.58	0.00	613138.35	616935.97	N 32 41 7.15 W 104	5 15.41
	5600.00	12.00	199.06	5556.06	-99.25	-414.89	-143.37	0.00	613118.70	616929.18	N 32 41 6.96 W 104	5 15.49
	5700.00	12.00	199.06	5653.88	-103.95	-434.54	-150.16	0.00	613099.05	616922.39	N 32 41 6.77 W 104	5 15.57
	5800.00	12.00	199.06	5751.69	-108.66	-454.19	-156.95	0.00	613079.39	616915.60	N 32 41 6.57 W 104	5 15.65
5900.00	12.00	199.06	5849.50	-113.36	-473.85	-163.75	0.00	613059.74	616908.81	N 32 41 6.38 W 104	5 15.73	
6000.00	12.00	199.06	5947.32	-118.06	-493.50	-170.54	0.00	613040.09	616902.02	N 32 41 6.18 W 104	5 15.81	
6100.00	12.00	199.06	6045.13	-122.76	-513.15	-177.33	0.00	613020.44	616895.23	N 32 41 5.99 W 104	5 15.89	
6200.00	12.00	199.06	6142.95	-127.46	-532.81	-184.12	0.00	613000.79	616888.44	N 32 41 5.79 W 104	5 15.97	
6300.00	12.00	199.06	6240.76	-132.16	-552.46	-190.91	0.00	612981.14	616881.65	N 32 41 5.60 W 104	5 16.05	
6400.00	12.00	199.06	6338.58	-136.87	-572.11	-197.70	0.00	612961.49	616874.85	N 32 41 5.41 W 104	5 16.13	
6500.00	12.00	199.06	6436.39	-141.57	-591.77	-204.49	0.00	612941.84	616868.06	N 32 41 5.21 W 104	5 16.21	
6600.00	12.00	199.06	6534.20	-146.27	-611.42	-211.29	0.00	612922.18	616861.27	N 32 41 5.02 W 104	5 16.29	
6700.00	12.00	199.06	6632.02	-150.97	-631.07	-218.08	0.00	612902.53	616854.48	N 32 41 4.82 W 104	5 16.37	
6800.00	12.00	199.06	6729.83	-155.67	-650.72	-224.87	0.00	612882.88	616847.69	N 32 41 4.63 W 104	5 16.45	
6900.00	12.00	199.06	6827.65	-160.37	-670.38	-231.66	0.00	612863.23	616840.90	N 32 41 4.43 W 104	5 16.53	
7000.00	12.00	199.06	6925.46	-165.08	-690.03	-238.45	0.00	612843.58	616834.11	N 32 41 4.24 W 104	5 16.61	
7100.00	12.00	199.06	7023.28	-169.78	-709.68	-245.24	0.00	612823.93	616827.32	N 32 41 4.05 W 104	5 16.69	
7200.00	12.00	199.06	7121.09	-174.48	-729.34	-252.03	0.00	612804.28	616820.53	N 32 41 3.85 W 104	5 16.75	
7300.00	12.00	199.06	7218.90	-179.18	-749.99	-258.83	0.00	612784.63	616813.74	N 32 41 3.66 W 104	5 16.83	
7400.00	12.00	199.06	7316.72	-183.88	-768.							

Comments	MD (ft)	Incl (°)	Azlm Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° '")	Longitude (E/W ° '")
Turn 2°/100'	7600.00	12.00	199.06	7512.35	-193.28	-807.95	-279.20	0.00	612725.87	616793.36	N 32 41	3.07 W 104 5 17.09
	7700.00	12.00	199.06	7610.16	-197.99	-827.60	-285.99	0.00	612706.02	616786.57	N 32 41	2.88 W 104 5 17.17
	7745.20	12.00	199.06	7654.37	-200.11	-836.48	-289.06	0.00	612697.14	616783.50	N 32 41	2.79 W 104 5 17.20
	7800.00	11.51	194.25	7708.03	-202.18	-847.17	-292.27	2.00	612686.45	616780.30	N 32 41	2.69 W 104 5 17.24
	7900.00	10.84	184.51	7806.14	-203.37	-866.21	-295.46	2.00	612667.41	616777.10	N 32 41	2.50 W 104 5 17.28
	8000.00	10.51	173.65	7904.42	-201.21	-884.65	-295.23	2.00	612648.97	616777.34	N 32 41	2.32 W 104 5 17.28
	8100.00	10.55	162.89	8002.74	-195.70	-902.47	-291.56	2.00	612631.16	616781.01	N 32 41	2.14 W 104 5 17.23
	8200.00	10.95	152.38	8101.00	-186.85	-919.64	-284.46	2.00	612613.99	616788.11	N 32 41	1.97 W 104 5 17.15
	8300.00	11.69	142.89	8199.06	-174.66	-936.14	-273.94	2.00	612597.49	616798.63	N 32 41	1.81 W 104 5 17.03
	8333.43	12.00	140.00	8231.78	-169.85	-941.50	-269.66	2.00	612592.13	616802.90	N 32 41	1.75 W 104 5 16.98
Build/Turn 10°/100'	8400.00	16.99	122.07	8296.24	-156.12	-951.98	-258.96	10.00	612581.65	616816.61	N 32 41	1.65 W 104 5 16.83
	8500.00	25.91	109.40	8389.27	-121.66	-967.03	-223.69	10.00	612566.51	616848.67	N 32 41	1.50 W 104 5 16.44
	8600.00	35.38	103.04	8475.23	-71.55	-980.85	-174.95	10.00	612552.79	616897.60	N 32 41	1.36 W 104 5 15.87
	8700.00	45.06	99.12	8551.51	-7.32	-993.02	-111.65	10.00	612540.62	616960.90	N 32 41	1.24 W 104 5 15.13
	8800.00	54.63	96.34	8615.80	69.09	-1003.16	-35.89	10.00	612530.47	617036.66	N 32 41	1.14 W 104 5 14.25
	8900.00	64.65	94.17	8666.13	155.34	-1010.98	50.02	10.00	612522.66	617122.58	N 32 41	1.06 W 104 5 13.24
	9000.00	74.50	92.32	8700.98	248.83	-1016.23	143.47	10.00	612517.40	617216.00	N 32 41	1.00 W 104 5 12.15
	9100.00	84.37	90.65	8719.29	346.70	-1018.76	241.62	10.00	612514.88	617314.13	N 32 41	0.98 W 104 5 11.00
	9145.79	88.89	89.89	8722.00	393.16	-1018.98	288.31	10.00	612514.66	617360.83	N 32 41	0.97 W 104 5 10.45
	9200.00	88.89	89.89	8722.94	446.07	-1018.88	341.52	0.00	612514.76	617414.03	N 32 41	0.97 W 104 5 9.83
Landing Point	9300.00	88.89	89.89	8724.72	545.48	-1018.69	441.50	0.00	612514.95	617514.00	N 32 41	0.97 W 104 5 8.66
	9400.00	88.89	89.89	8726.49	644.90	-1018.50	541.48	0.00	612515.13	617613.98	N 32 41	0.97 W 104 5 7.49
	9500.00	88.89	89.89	8728.26	744.32	-1018.32	641.47	0.00	612515.32	617713.95	N 32 41	0.97 W 104 5 6.32
	9600.00	88.89	89.89	8730.03	843.74	-1018.13	741.45	0.00	612515.51	617813.93	N 32 41	0.97 W 104 5 5.15
	9700.00	88.89	89.89	8731.80	943.15	-1017.94	841.44	0.00	612515.70	617913.90	N 32 41	0.97 W 104 5 3.98
	9800.00	88.89	89.89	8733.57	1042.57	-1017.75	941.42	0.00	612515.88	618013.88	N 32 41	0.97 W 104 5 2.81
	9900.00	88.89	89.89	8735.34	1141.99	-1017.57	1041.40	0.00	612516.07	618113.85	N 32 41	0.97 W 104 5 1.64
	10000.00	88.89	89.89	8737.11	1241.41	-1017.38	1141.39	0.00	612516.26	618213.83	N 32 41	0.97 W 104 5 0.47
	10100.00	88.89	89.89	8738.88	1340.82	-1017.19	1241.37	0.00	612516.45	618313.81	N 32 41	0.97 W 104 5 0.30
	10200.00	88.89	89.89	8740.65	1440.24	-1017.00	1341.36	0.00	612516.64	618413.78	N 32 41	0.97 W 104 5 0.13
	10300.00	88.89	89.89	8742.42	1539.66	-1016.81	1441.34	0.00	612516.82	618513.76	N 32 41	0.97 W 104 5 0.06
	10400.00	88.89	89.89	8744.20	1639.08	-1016.63	1541.32	0.00	612517.01	618613.73	N 32 41	0.97 W 104 5 0.00
	10500.00	88.89	89.89	8745.97	1738.50	-1016.44	1641.31	0.00	612517.20	618713.71	N 32 41	0.97 W 104 5 0.00
	10600.00	88.89	89.89	8747.74	1837.91	-1016.25	1741.29	0.00	612517.39	618813.68	N 32 41	0.97 W 104 5 0.00
	10700.00	88.89	89.89	8749.51	1937.33	-1016.06	1841.28	0.00	612517.57	618913.66	N 32 41	0.97 W 104 5 0.00
	10800.00	88.89	89.89	8751.28	2036.75	-1015.88	1941.26	0.00	612517.76	619013.63	N 32 41	0.96 W 104 5 0.00
	10900.00	88.89	89.89	8753.05	2136.17	-1015.69	2041.25	0.00	612517.95	619113.61	N 32 41	0.96 W 104 5 0.00
	11000.00	88.89	89.89	8754.82	2235.58	-1015.50	2141.23	0.00	612518.14	619213.58	N 32 41	0.96 W 104 5 0.00
	11100.00	88.89	89.89	8756.59	2335.00	-1015.31	2241.21	0.00	612518.32	619313.56	N 32 41	0.96 W 104 5 0.00
	11200.00	88.89	89.89	8758.36	2434.42	-1015.13	2341.20	0.00	612518.51	619413.54	N 32 41	0.96 W 104 5 0.00
	11300.00	88.89	89.89	8760.13	2533.84	-1014.94	2441.18	0.00	612518.70	619513.51	N 32 41	0.96 W 104 5 0.00
	11400.00	88.89	89.89	8761.90	2633.25	-1014.75	2541.17	0.00	612518.89	619613.49	N 32 41	0.96 W 104 5 0.00
	11500.00	88.89	89.89	8763.67	2732.67	-1014.56	2641.16	0.00	612519.07	619713.46	N 32 41	0.96 W 104 5 0.00
	11600.00	88.89	89.89	8765.45	2832.09	-1014.38	2741.13	0.00	612519.26	619813.44	N 32 41	0.96 W 104 5 0.00
	11700.00	88.89	89.89	8767.22	2931.51	-1014.19	2841.12	0.00	612519.45	619913.41	N 32 41	0.96 W 104 5 0.00
	11800.00	88.89	89.89	8768.99	3030.93	-1014.00	2941.10	0.00	612519.64	620013.39	N 32 41	0.96 W 104 5 0.00
	11900.00	88.89	89.89	8770.76	3130.34	-1013.81	3041.09	0.00	612519.82	620113.36	N 32 41	0.96 W 104 5 0.00
	12000.00	88.89	89.89	8772.53	3229.76	-1013.63	3141.07	0.00	612520.01	620213.34	N 32 41	0.96 W 104 5 0.00
	12100.00	88.89	89.89	8774.30	3329.18	-1013.44	3241.06	0.00	612520.20	620313.32	N 32 41	0.96 W 104 5 0.00
	12200.00	88.89	89.89	8776.07	3428.60	-1013.25	3341.04	0.00	612520.39	620413.29	N 32 41	0.96 W 104 5 0.00
	12300.00	88.89	89.89	8777.84	3528.01	-1013.06	3441.02	0.00	612520.58	620513.27	N 32 41	0.96 W 104 5 0.00
	12400.00	88.89	89.89	8779.61	3627.43	-1012.87	3541.01	0.00	612520.76	620613.24	N 32 41	0.96 W 104 5 0.00
	12500.00	88.89	89.89	8781.38	3726.85	-1012.69	3640.99	0.00	612520.95	620713.22	N 32 41	0.96 W 104 5 0.00
	12600.00	88.89	89.89	8783.15	3826.27	-1012.50	3740.98	0.00	612521.14	620813.19	N 32 41	0.96 W 104 5 0.00
	12700.00	88.89	89.89	8784.92	3925.68	-1012.31	3840.96	0.00	612521.33	620913.17	N 32 41	0.95 W 104 5 0.00
	12800.00	88.89	89.89	8786.70	4025.10	-1012.12	3940.94	0.00	612521.51	621013.14	N 32 41	0.95 W 104 5 0.00
	12900.00	88.89	89.89	8788.47	4124.52	-1011.94	4040.93	0.00	612521.70	621113.12	N 32 41	0.95 W 104 5 0.00
	13000.00	88.89	89.89	8790.24	4223.94	-1011.75	4140.91	0.00	612521.89	621213.09	N 32 41	0.95 W 104 5 0.00
	13100.00	88.89	89.89	8792.01	4323.36	-1011.56	4240.90	0.00	612522.08	621313.07	N 32 41	0.95 W 104 5 0.00
	13200.00	88.89	89.89	8793.78	4422.77	-1011.37	4340.88	0.00	612522.28	621413.05	N 32 41	0.95 W 104 5 0.00
	13300.00	88.89	89.89	8795.55	4522.19	-1011.19	4440.86	0.00	612522.45	621513.02	N 32 41	0.95 W 104 5 0.00
	13400.00	88.89	89.89	8797.32	4621.61	-1011.00	4540.85	0.00	612522.64	621613.00	N 32 41	0.95 W 104 5 0.00
	13500.00	88.89	89.89	8799.09	4721.03	-1010.81	4640.83	0.00	612522.83	621712.97	N 32 41	0.95 W 104 5 0.00
	13600.00	88.89	89.89	8800.86	4820.44	-1010.62	4740.82	0.00	612523.01	621812.95	N 32 41	0.95 W 104 5 0.00
	13700.00	88.89	89.89	8802.63	4919.86	-1010.44	4840.80	0.00	612523.20	621912.92	N 32 41	0.95 W 104 5 0.00
	13729.20	88.89	89.89	8803.15	4948.89	-1010.38	4870.00	0.00	612523.26	621942.12	N 32 41	0.95 W 104 5 0.00
	13784.53	88.89	90.45	8804.13	5003.92	-1010.54	4825.32	1.00	612523.09	621997.43	N 32 41	0.85 W 104 5 16.20
	13800.00	88.89	90.45	8804.40	5019.32	-1010.66	4940.78	0.				

Comments	MD (ft)	Incl (°)	Azlm Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northng (ftUS)	Eastng (ftUS)	Latitude (N/S ° ° °)	Longitude (E/W ° ° °)
	17900.00	88.99	90.45	8877.03	9099.46	-1042.56	9040.02	0.00	612491.08	626111.78	N 32 41 0.53	W 104 3 28.06
	18000.00	88.99	90.45	8878.80	9198.98	-1043.34	9140.00	0.00	612490.30	626211.75	N 32 41 0.52	W 104 3 26.89
	18100.00	88.99	90.45	8880.57	9288.50	-1044.12	9239.98	0.00	612489.52	626311.72	N 32 41 0.51	W 104 3 25.72
	18200.00	88.99	90.45	8882.34	9388.01	-1044.89	9339.96	0.00	612488.75	626411.69	N 32 41 0.50	W 104 3 24.55
	18300.00	88.99	90.45	8884.12	9487.53	-1045.67	9439.94	0.00	612487.97	626511.67	N 32 41 0.49	W 104 3 23.38
	18400.00	88.99	90.45	8885.89	9587.04	-1046.45	9539.92	0.00	612487.19	626611.64	N 32 41 0.47	W 104 3 22.21
	18500.00	88.99	90.45	8887.66	9686.56	-1047.23	9639.91	0.00	612486.41	626711.61	N 32 41 0.46	W 104 3 21.04
	18600.00	88.99	90.45	8889.43	9786.07	-1048.01	9739.89	0.00	612485.63	626811.59	N 32 41 0.45	W 104 3 19.87
Planned Bottom Perf Cross	18698.27	88.99	90.45	8891.17	9893.87	-1048.77	9838.14	0.00	612484.87	626909.83	N 32 41 0.44	W 104 3 18.72
	18700.00	88.99	90.45	8891.20	9895.59	-1048.78	9839.87	0.00	612484.86	626911.56	N 32 41 0.44	W 104 3 18.70
	18800.00	88.99	90.45	8892.97	9995.11	-1049.56	9939.85	0.00	612484.08	627011.53	N 32 41 0.43	W 104 3 17.53
Turkey Track 4-3 State 34H PBHL	18858.27	88.99	90.45	8894.00	10053.10	-1050.02	9998.11	0.00	612483.63	627069.79	N 32 41 0.43	W 104 3 16.85

Survey Type: Def Plan

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

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Type	Borehole / Survey
	1	0.000	26.500	1/100.000	20.000	30.000		NAL_MWD_PLUS_0.5_DEG- Depth Only	Original Borehole / Oxy Turkey Track 4-3 State 34H Rev1 APS 05Apr18
	1	26.500	18858.271	1/100.000	20.000	30.000		NAL_MWD_PLUS_0.5_DEG	Original Borehole / Oxy Turkey Track 4-3 State 34H Rev1 APS