

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

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

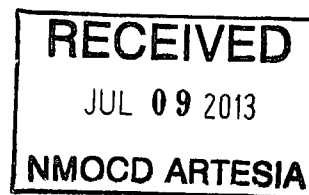
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-41120
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Chevron USA, Inc.		6. State Oil & Gas Lease No.
3. Address of Operator 15 Smith Road Midland, TX 79705		7. Lease Name or Unit Agreement Name HAYHURST 16 25 27 STATE
4. Well Location Unit Letter C : 175' feet from the North line and 2280' feet from the West line Section 16 Township 25 S Range 27 E NMPM County Eddy		8. Well Number 1H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3212' GR		9. OGRID Number 4323
		10. Pool name or Wildcat WILDCAT; G-02 S2527 ; BONE SPRING

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 ☐		SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ P AND A ☐ CASING/CEMENT JOB ☐	
OTHER: Change Prod. Casing Program/Amend Pit Permit ☒		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.

Chevron USA, Inc. request to amend the production casing program per the attached.
In addition, please find an amended pit permit.
Fluids and cuttings to be transported to R360 Environmental Solutions.



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 Bryan Arrant TITLE Regulatory Specialist II DATE 07/06/2013

Type or print name Bryan Arrant (Agent for Chevron) E-mail address: bryan.arrant@chk.com PHONE: (405)935-3782

For State Use Only

APPROVED BY: [Signature] TITLE Dist. H. Supervisor DATE July 9 - 2013

Conditions of Approval (if any):

HAYHURST 16 25 27 STATE 1H-AMEND CASING (PRODUCTION HOLE)

Original
Update

²¹ Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight / ft	Setting depth	Sx Cement	Estimated TOC
Surface	17-1/2"	13-3/8"	48#	450'	565	Surface
Intermediate	12-1/4"	9-5/8"	40#	2,250'	643	Surface
Production	8-3/4" --> 8-1/2" - lateral	5-1/2"	17#	+/-7,537' TVD, 12,098' MD	2141	1,150'

²² Proposed BOP

Type	Working Press	Test Press (psi)	Manufacturer
13-5/8" 10M (double ram and single ram)	5,000	5,000	Cameron Type U

Casing / Cement Program: Additional Comments

Type	Hole Size (in)	Casing Size (in)	Casing Weight / ft	Setting depth (ft)	Estimated TOC	Bottom of Cmt interval (ft)	Sacks of Cement (sx)
Surface	17-1/2"	13-3/8"	48#	450'	Surface	650'	565
Intermediate	12-1/4"	9-5/8"	40#	2,250'	Surface	2,150'	643
Production	8-3/4" --> 8-1/2" - lateral	5-1/2"	17#	+/-7,537 TVD, 12,098' MD	1,150'	12,098' MD	2141

Note: Production section will be cased hole and cemented.



Chevron Hayhurst 16-25-27 State 1H ST01 Rev3 mcs 27Jun13 Proposal
Geodetic Report
(Def Plan)



Report Date: June 27, 2013 - 03:51 PM
Client: Chevron
Field: NM Eddy County (NAD 27)
Structure / Slot: Chevron Hayhurst 16-25-27 State 1H / Chevron Hayhurst 16-25-27 State 1H
Well: Chevron Hayhurst 16-25-27 State 1H
Borehole: ST01
UWI / API#: Ensign 767 / 30-015-41120
Survey Name: Chevron Hayhurst 16-25-27 State 1H ST01 Rev3 mcs 27Jun13
Survey Date: April 02, 2013
Tort / AHD / DDI / ERD Ratio: 90.000 * / 4868 250 ft / 5.847 / 0.646
Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 8' 12.35040", W 104° 11' 45.55680"
Location Grid N/E Y/X: N 413503.778 ftUS, E 542513.024 ftUS
CRS Grid Convergence Angle: 0.0731 *
Grid Scale Factor: 0.99991116

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.800 * (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3237.000 ft above MSL
Seabed / Ground Elevation: 3212.000 ft above MSL
Magnetic Declination: 7.750 *
Total Gravity Field Strength: 998.4977mgn (9.80665 Based)
Total Magnetic Field Strength: 48285.088 nT
Magnetic Dip Angle: 59.905 *
Declination Date: April 02, 2013
Magnetic Declination Model: BGGM 2012
North Reference: Grid North
Grid Convergence Used: 0.0731 *
Total Corr Mag North->Grid North: 7.6784 *
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (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	-3237.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	100.00	0.00	179.80	100.00	-3137.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	200.00	0.00	179.80	200.00	-3037.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	300.00	0.00	179.80	300.00	-2937.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	400.00	0.00	179.80	400.00	-2837.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	500.00	0.00	179.80	500.00	-2737.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	600.00	0.00	179.80	600.00	-2637.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	700.00	0.00	179.80	700.00	-2537.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	775.00	0.00	179.80	775.00	-2462.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	800.00	0.00	179.80	800.00	-2437.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	900.00	0.00	179.80	900.00	-2337.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	1000.00	0.00	179.80	1000.00	-2237.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	1100.00	0.00	179.80	1100.00	-2137.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	1200.00	0.00	179.80	1200.00	-2037.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	1300.00	0.00	179.80	1300.00	-1937.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	1400.00	0.00	179.80	1400.00	-1837.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	1500.00	0.00	179.80	1500.00	-1737.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	1600.00	0.00	179.80	1600.00	-1637.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	1700.00	0.00	179.80	1700.00	-1537.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	1800.00	0.00	179.80	1800.00	-1437.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	1900.00	0.00	179.80	1900.00	-1337.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	2000.00	0.00	179.80	2000.00	-1237.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	2100.00	0.00	179.80	2100.00	-1137.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	2155.00	0.00	179.80	2155.00	-1072.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	2200.00	0.00	179.80	2200.00	-1037.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	2240.00	0.00	179.80	2240.00	-997.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	2300.00	0.00	179.80	2300.00	-937.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	2400.00	0.00	179.80	2400.00	-837.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	2500.00	0.00	179.80	2500.00	-737.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	2600.00	0.00	179.80	2600.00	-637.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	2700.00	0.00	179.80	2700.00	-537.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	2800.00	0.00	179.80	2800.00	-437.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	2900.00	0.00	179.80	2900.00	-337.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	2951.00	0.00	179.80	2951.00	-286.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	3000.00	0.00	179.80	3000.00	-237.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	3100.00	0.00	179.80	3100.00	-137.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	3200.00	0.00	179.80	3200.00	-37.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	3300.00	0.00	179.80	3300.00	63.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	3400.00	0.00	179.80	3400.00	163.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	3500.00	0.00	179.80	3500.00	263.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	3600.00	0.00	179.80	3600.00	363.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	3700.00	0.00	179.80	3700.00	463.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	3800.00	0.00	179.80	3800.00	563.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	3900.00	0.00	179.80	3900.00	663.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	4000.00	0.00	179.80	4000.00	763.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	4055.00	0.00	179.80	4055.00	818.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	4100.00	0.00	179.80	4100.00	863.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	4200.00	0.00	179.80	4200.00	963.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	4300.00	0.00	179.80	4300.00	1063.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	4400.00	0.00	179.80	4400.00	1163.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	4500.00	0.00	179.80	4500.00	1263.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	4600.00	0.00	179.80	4600.00	1363.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	4700.00	0.00	179.80	4700.00	1463.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	4800.00	0.00	179.80	4800.00	1563.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	4900.00	0.00	179.80	4900.00	1663.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	5000.00	0.00	179.80	5000.00	1763.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	5100.00	0.00	179.80	5100.00	1863.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	5200.00	0.00	179.80	5200.00	1963.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	5300.00	0.00	179.80	5300.00	2063.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	5400.00	0.00	179.80	5400.00	2163.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	5500.00	0.00	179.80	5500.00	2263.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	5600.00	0.00	179.80	5600.00	2363.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	5687.00	0.00	179.80	5687.00	2450.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	5700.00	0.00	179.80	5700.00	2463.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	5800.00	0.00	179.80	5800.00	2563.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	5900.00	0.00	179.80	5900.00	2663.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	6000.00	0.00	179.80	6000.00	2763.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	6100.00	0.00	179.80	6100.00	2863.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	6200.00	0.00	179.80	6200.00	2963.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	6300.00	0.00	179.80	6300.00	3063.00	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11

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 ° ' ")
Tie-In Build 8"/100ft DLS	6820.80	0.00	179.80	6820.80	3583.80	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	6900.00	6.34	179.80	6899.84	3682.84	4.37	-4.37	0.02	8.00	413499.40	542513.04	N 32 8 12.31	W 104 11 45.56
	7000.00	14.34	179.80	6998.14	3761.14	22.30	-22.30	0.08	8.00	413481.48	542513.10	N 32 8 12.13	W 104 11 45.56
	7100.00	22.34	179.80	7092.98	3855.98	53.74	-53.74	0.19	8.00	413450.05	542513.21	N 32 8 11.82	W 104 11 45.56
2nd Bone Spring Sand Top	7200.00	30.34	179.80	7182.53	3945.53	98.05	-98.05	0.34	8.00	413405.72	542513.37	N 32 8 11.38	W 104 11 45.55
	7292.34	37.72	179.80	7259.00	4022.00	149.70	-149.70	0.52	8.00	413354.09	542513.55	N 32 8 10.87	W 104 11 45.55
	7300.00	38.34	179.80	7265.04	4028.04	154.42	-154.42	0.54	8.00	413349.37	542513.56	N 32 8 10.82	W 104 11 45.55
	7400.00	46.34	179.80	7338.90	4101.90	221.71	-221.71	0.77	8.00	413282.08	542513.80	N 32 8 10.16	W 104 11 45.55
	7500.00	54.34	179.80	7402.67	4165.67	298.63	-298.63	1.04	8.00	413205.17	542514.07	N 32 8 9.40	W 104 11 45.55
2nd Bone Spring Sand Base	7600.00	62.34	179.80	7455.13	4218.13	383.68	-383.67	1.34	8.00	413120.14	542514.36	N 32 8 8.55	W 104 11 45.55
	7700.00	70.34	179.80	7495.23	4258.23	475.19	-475.19	1.66	8.00	413028.63	542514.68	N 32 8 7.65	W 104 11 45.54
	7800.00	78.34	179.80	7522.21	4285.21	571.40	-571.40	1.99	8.00	412932.43	542515.02	N 32 8 6.70	W 104 11 45.54
	7820.13	79.95	179.80	7526.00	4289.00	591.17	-591.17	2.06	8.00	412912.66	542515.09	N 32 8 6.50	W 104 11 45.54
	7900.00	86.34	179.80	7535.53	4296.53	670.43	-670.42	2.34	8.00	412833.41	542515.36	N 32 8 5.72	W 104 11 45.54
Landing Point	7945.80	90.00	179.80	7537.00	4300.00	716.20	-716.19	2.50	8.00	412787.65	542515.52	N 32 8 5.26	W 104 11 45.54
	8000.00	90.00	179.80	7537.00	4300.00	770.40	-770.39	2.69	0.00	412733.46	542515.75	N 32 8 4.73	W 104 11 45.54
	8100.00	90.00	179.80	7537.00	4300.00	870.40	-870.39	3.04	0.00	412633.47	542516.06	N 32 8 3.74	W 104 11 45.53
	8200.00	90.00	179.80	7537.00	4300.00	970.40	-970.39	3.38	0.00	412533.47	542516.41	N 32 8 2.75	W 104 11 45.53
	8300.00	90.00	179.80	7537.00	4300.00	1070.40	-1070.39	3.73	0.00	412433.48	542516.76	N 32 8 1.76	W 104 11 45.53
	8400.00	90.00	179.80	7537.00	4300.00	1170.40	-1170.39	4.08	0.00	412333.49	542517.11	N 32 8 0.77	W 104 11 45.53
	8500.00	90.00	179.80	7537.00	4300.00	1270.40	-1270.39	4.43	0.00	412233.50	542517.45	N 32 7 59.78	W 104 11 45.52
	8600.00	90.00	179.80	7537.00	4300.00	1370.40	-1370.39	4.78	0.00	412133.51	542517.80	N 32 7 58.79	W 104 11 45.52
	8700.00	90.00	179.80	7537.00	4300.00	1470.40	-1470.39	5.13	0.00	412033.52	542518.15	N 32 7 57.80	W 104 11 45.52
	8800.00	90.00	179.80	7537.00	4300.00	1570.40	-1570.39	5.48	0.00	411933.53	542518.50	N 32 7 56.81	W 104 11 45.52
	8900.00	90.00	179.80	7537.00	4300.00	1670.40	-1670.39	5.83	0.00	411833.54	542518.85	N 32 7 55.82	W 104 11 45.51
	9000.00	90.00	179.80	7537.00	4300.00	1770.40	-1770.39	6.17	0.00	411733.55	542519.20	N 32 7 54.83	W 104 11 45.51
	9100.00	90.00	179.80	7537.00	4300.00	1870.40	-1870.39	6.52	0.00	411633.56	542519.55	N 32 7 53.84	W 104 11 45.51
	9200.00	90.00	179.80	7537.00	4300.00	1970.40	-1970.39	6.87	0.00	411533.57	542519.89	N 32 7 52.85	W 104 11 45.51
	9300.00	90.00	179.80	7537.00	4300.00	2070.40	-2070.38	7.22	0.00	411433.58	542520.24	N 32 7 51.86	W 104 11 45.50
	9400.00	90.00	179.80	7537.00	4300.00	2170.40	-2170.38	7.57	0.00	411333.59	542520.59	N 32 7 50.87	W 104 11 45.50
	9500.00	90.00	179.80	7537.00	4300.00	2270.40	-2270.38	7.92	0.00	411233.60	542520.94	N 32 7 49.88	W 104 11 45.50
	9600.00	90.00	179.80	7537.00	4300.00	2370.40	-2370.38	8.27	0.00	411133.61	542521.29	N 32 7 48.89	W 104 11 45.50
	9700.00	90.00	179.80	7537.00	4300.00	2470.40	-2470.38	8.62	0.00	411033.62	542521.64	N 32 7 47.90	W 104 11 45.49
	9800.00	90.00	179.80	7537.00	4300.00	2570.40	-2570.38	8.96	0.00	410933.63	542521.99	N 32 7 46.91	W 104 11 45.49
	9900.00	90.00	179.80	7537.00	4300.00	2670.40	-2670.38	9.31	0.00	410833.64	542522.34	N 32 7 45.93	W 104 11 45.49
	10000.00	90.00	179.80	7537.00	4300.00	2770.40	-2770.38	9.66	0.00	410733.65	542522.68	N 32 7 44.94	W 104 11 45.49
	10100.00	90.00	179.80	7537.00	4300.00	2870.40	-2870.38	10.01	0.00	410633.66	542523.03	N 32 7 43.95	W 104 11 45.48
	10200.00	90.00	179.80	7537.00	4300.00	2970.40	-2970.38	10.36	0.00	410533.67	542523.38	N 32 7 42.96	W 104 11 45.48
	10300.00	90.00	179.80	7537.00	4300.00	3070.40	-3070.38	10.71	0.00	410433.68	542523.73	N 32 7 41.97	W 104 11 45.48
	10400.00	90.00	179.80	7537.00	4300.00	3170.40	-3170.38	11.06	0.00	410333.69	542524.08	N 32 7 40.98	W 104 11 45.48
	10500.00	90.00	179.80	7537.00	4300.00	3270.40	-3270.38	11.41	0.00	410233.70	542524.43	N 32 7 39.99	W 104 11 45.47
	10600.00	90.00	179.80	7537.00	4300.00	3370.40	-3370.38	11.75	0.00	410133.71	542524.78	N 32 7 39.00	W 104 11 45.47
	10700.00	90.00	179.80	7537.00	4300.00	3470.40	-3470.38	12.10	0.00	410033.72	542525.13	N 32 7 38.01	W 104 11 45.47
	10800.00	90.00	179.80	7537.00	4300.00	3570.40	-3570.38	12.45	0.00	409933.73	542525.47	N 32 7 37.02	W 104 11 45.46
	10900.00	90.00	179.80	7537.00	4300.00	3670.40	-3670.37	12.80	0.00	409833.74	542525.82	N 32 7 36.03	W 104 11 45.46
	11000.00	90.00	179.80	7537.00	4300.00	3770.40	-3770.37	13.15	0.00	409733.75	542526.17	N 32 7 35.04	W 104 11 45.46
	11100.00	90.00	179.80	7537.00	4300.00	3870.40	-3870.37	13.50	0.00	409633.76	542526.52	N 32 7 34.05	W 104 11 45.45
	11200.00	90.00	179.80	7537.00	4300.00	3970.40	-3970.37	13.85	0.00	409533.77	542526.87	N 32 7 33.06	W 104 11 45.45
	11300.00	90.00	179.80	7537.00	4300.00	4070.40	-4070.37	14.20	0.00	409433.78	542527.22	N 32 7 32.07	W 104 11 45.45
	11400.00	90.00	179.80	7537.00	4300.00	4170.40	-4170.37	14.54	0.00	409333.79	542527.57	N 32 7 31.08	W 104 11 45.45
	11500.00	90.00	179.80	7537.00	4300.00	4270.40	-4270.37	14.89	0.00	409233.79	542527.92	N 32 7 30.09	W 104 11 45.45
	11600.00	90.00	179.80	7537.00	4300.00	4370.40	-4370.37	15.24	0.00	409133.80	542528.26	N 32 7 29.10	W 104 11 45.44
	11700.00	90.00	179.80	7537.00	4300.00	4470.40	-4470.37	15.59	0.00	409033.81	542528.61	N 32 7 28.11	W 104 11 45.44
	11800.00	90.00	179.80	7537.00	4300.00	4570.40	-4570.37	15.94	0.00	408933.82	542528.96	N 32 7 27.12	W 104 11 45.44
Chevron Hayhurst 16-1H - PBHL	11900.00	90.00	179.80	7537.00	4300.00	4670.40	-4670.37	16.29	0.00	408833.83	542529.31	N 32 7 26.13	W 104 11 45.44
	12000.00	90.00	179.80	7537.00	4300.00	4770.40	-4770.37	16.64	0.00	408733.84	542529.66	N 32 7 25.14	W 104 11 45.43
	12097.85	90.00	179.80	7537.00	4300.00	4868.25	-4868.22	16.98	0.00	408636.00	542530.00	N 32 7 24.18	W 104 11 45.43

Survey Type: 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	25.000	1/100.000	30.000	30.000	SLB_MWD-STD-Depth Only	Pilot Hole / Chevron Hayhurst 16-25-27 State 1H Pilot Rev1 mcs
	25.000	6820.800	1/100.000	30.000	30.000	SLB_MWD-STD	Pilot Hole / Chevron Hayhurst 16-25-27 State 1H Pilot Rev1 mcs
	6820.800	12097.853	1/100.000	30.000	30.000	SLB_MWD-STD	ST01 / Chevron Hayhurst 16-25-27 State 1H ST01 Rev3 mcs



Ensign 767

Chevron

ST01 REV 3

PATHFINDER
A Schlumberger Company

WELL: Hayhurst 16-25-27 State 1H	FIELD: Eddy County, NM (NAD 27)	STRUCTURE: Ensign 767
Magnetic Parameters Model: BFGM 2012 Dip: 59.905° Mag Dec: 7.750°	Surface Location NAD83 New Mexico State Plane, Central Zone, U.S. Feet Lat: N 32 41 12.350 Long: W 104 11 45.557 Northing: 413503.78 Easting: 542513.02 Grid Conv: 0.073° Scale Factor: 0.9999116	Miscellaneous Site: Hayhurst 16-25-27 State 1H Plan: ST01 Rev3 mcs 27Jun13 TVD Ref: RCB0337H above MSL Survey Date: April 02, 2013

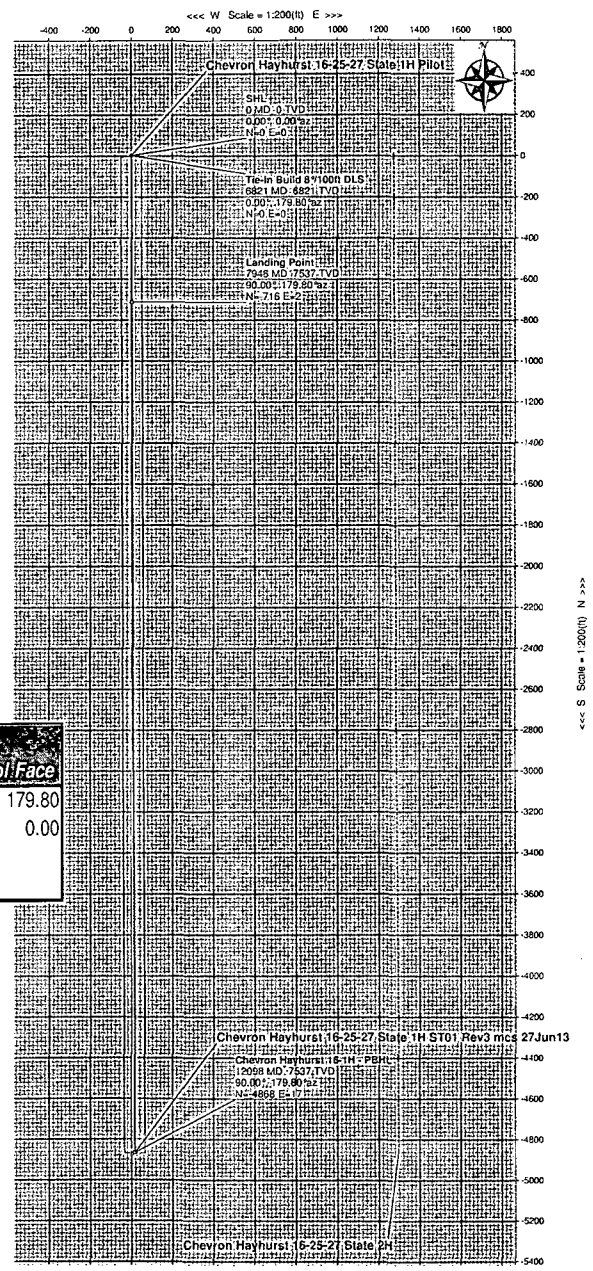
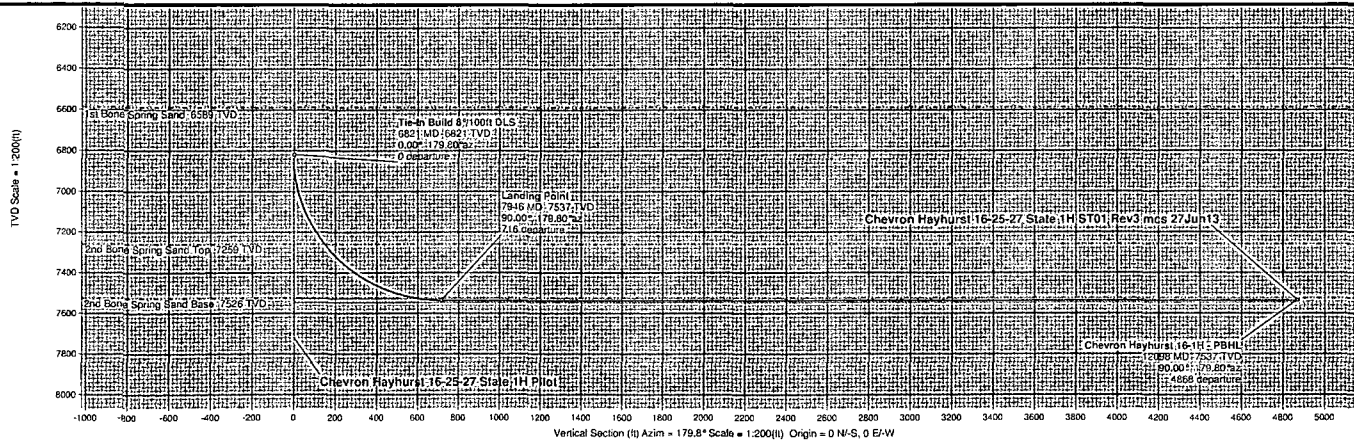
Legend

-----	Chevron Hayhurst 16-25-27 State 1H
-----	Chevron Hayhurst 16-25-27 State 1H - Regular
-----	Chevron Hayhurst 16-25-27 State 1H - 1H Pilot
-----	Chevron Hayhurst 16-25-27 State 1H - 1H Pilot
-----	Chevron Hayhurst 16-25-27 State 1H - 1H Pilot



Grid North
Tot Corr (M->G 7.6764°)
Mag Dec (7.750°)
Grid Conv (0.073°)

Critical Points													
Comments	Survey MD	Inc	Azim	TVD	SSTVD	VS	NS	EW	Longitude	Latitude	Easting	Northing	DLS Tool Face
SHL	0.00	0.00	0.00	0.00	-3237.00	0.00	0.00	0.00	N 32 8 12.350 W 104 11 45.557	542513.02	413503.78	179.80	
Tie-In Build 8 1/100ft DLS	6820.80	0.00	179.80	6820.80	3583.80	0.00	0.00	0.00	N 32 8 12.350 W 104 11 45.557	542513.02	413503.78	0.00	0.00
Landing Point	7945.80	90.00	179.80	7537.00	4300.00	716.20	-716.19	2.50	N 32 8 5.263 W 104 11 45.538	542515.52	412787.65	8.00	
PBHL	12097.85	90.00	179.80	7537.00	4300.00	4868.25	-4868.22	16.98	N 32 7 24.176 W 104 11 45.432	542530.00	408636.00	0.00	



Drawn By: _____
Date Created: June 27, 2013 05:58:33 PM
Checked By: _____
Checked Date: _____
Approved By: _____
Approved Date: _____