

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 August 1, 2011

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 3H
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 Arant TITLE Regulatory Specialist II DATE 07/06/2013

Type or print name Bryan Arant (Agent for Chevron) E-mail address: bryan.arant@chk.com PHONE: (405)935-3782
For State Use Only

APPROVED BY: T. C. Shaper TITLE Colony DATE 7/9/2013
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: F.M. Eddy, County (HAD 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
UVA / API: Ensign 767 / 35-015-41120
Survey Name: Chevron Hayhurst 16-25-27 State 1H ST01 Rev3 mcs 27Jun13
Survey Date: April 02, 2013
Toll / AHD / DD1 / ERD Ratio: 98.000' / 4569.250' / 5.647' / 0.646
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Foot
Location Lat / Long: 31° 32' 8" N, 104° 11' 45.55690" W
Location Grid N/E Y/X: 412503.778 NUS, 6 542513.024 NUS
CRS Grid Convergence Angle: 0.0731°
Grid Scale Factor: 0.9991116
Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.800° (Grid North)
Vertical Section Origin: 6.000 N, 5.000 E
TVD Reference Datum: RRB
TVD Reference Elevation: 3237.000 ft above MSL
Seabed / Ground Elevation: 3212.000 ft above MSL
Magnetic Declination: 7.750°
Total Gravity Field Strength: 998.4077 mgn (5.86035 Gauss)
Total Magnetic Field Strength: 48985.058 nT
Magnetic Dip Angle: 59.605°
Declination Date: April 02, 2013
Magnetic Declination Model: IGRM2012
North Reference: Grid North
Grid Convergence Used: 0.0731°
Total Corr Mag North to Grid North: 7.6764°
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	N/S (ft)	E/W (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ° °)	Longitude (E/W ° ° °)
Shil	0.00	0.00	0.00	0.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	100.00	0.00	179.80	100.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	200.00	0.00	179.80	200.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	300.00	0.00	179.80	300.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	400.00	0.00	179.80	400.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	500.00	0.00	179.80	500.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	600.00	0.00	179.80	600.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	700.00	0.00	179.80	700.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	800.00	0.00	179.80	800.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 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	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
Rustler Culinar	0.00	0.00	0.00	0.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	100.00	0.00	179.80	100.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	200.00	0.00	179.80	200.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	300.00	0.00	179.80	300.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	400.00	0.00	179.80	400.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	500.00	0.00	179.80	500.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	600.00	0.00	179.80	600.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	700.00	0.00	179.80	700.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	800.00	0.00	179.80	800.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 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	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
Lamar 1.5	0.00	0.00	0.00	0.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	100.00	0.00	179.80	100.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	200.00	0.00	179.80	200.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	300.00	0.00	179.80	300.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	400.00	0.00	179.80	400.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	500.00	0.00	179.80	500.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	600.00	0.00	179.80	600.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	700.00	0.00	179.80	700.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	800.00	0.00	179.80	800.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 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	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
Red Canyon	0.00	0.00	0.00	0.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	100.00	0.00	179.80	100.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	200.00	0.00	179.80	200.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	300.00	0.00	179.80	300.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	400.00	0.00	179.80	400.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	500.00	0.00	179.80	500.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	600.00	0.00	179.80	600.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	700.00	0.00	179.80	700.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	800.00	0.00	179.80	800.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 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	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
Cherry Canyon	0.00	0.00	0.00	0.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	100.00	0.00	179.80	100.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	200.00	0.00	179.80	200.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	300.00	0.00	179.80	300.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	400.00	0.00	179.80	400.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	500.00	0.00	179.80	500.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	600.00	0.00	179.80	600.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	700.00	0.00	179.80	700.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	800.00	0.00	179.80	800.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 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	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
Briar Canyon	0.00	0.00	0.00	0.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	100.00	0.00	179.80	100.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	200.00	0.00	179.80	200.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	300.00	0.00	179.80	300.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	400.00	0.00	179.80	400.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	500.00	0.00	179.80	500.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	600.00	0.00	179.80	600.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	700.00	0.00	179.80	700.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	800.00	0.00	179.80	800.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 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	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
T Bone Springs	0.00	0.00	0.00	0.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	100.00	0.00	179.80	100.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	200.00	0.00	179.80	200.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	300.00	0.00	179.80	300.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	400.00	0.00	179.80	400.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	500.00	0.00	179.80	500.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"
	600.00	0.00	179.80	600.00	-2337.00	0.00	0.00	0.00	0.00	412503.78	6 542513.02	N 32° 8' 12.35"	W 104° 11' 45.56"

Comments	MD (ft)	Incl (°)	Azlm Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (m)	NS (ft)	EW (ft)	DLS (100m)	Northing (m)	Easting (m)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie-In Build 8"/100m DLS	6020.80	0.00	179.80	6820.80	3583.60	0.00	0.00	0.00	0.00	413503.78	542513.02	N 32 8 12.35	W 104 11 45.56
	6900.00	8.34	179.80	6899.84	3602.84	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 45.55
	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
	7200.00	30.34	179.80	7182.53	3945.53	98.06	-98.06	0.34	8.00	413405.72	542513.37	N 32 8 11.38	W 104 11 45.55
2nd Bone Spring Sand Top	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	4026.04	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	7334.90	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	4185.67	298.83	-298.83	1.04	8.00	413205.17	542514.07	N 32 8 9.40	W 104 11 45.55
	7600.00	62.34	179.80	7455.13	4218.13	303.66	-303.67	1.34	8.00	413120.14	542514.36	N 32 8 8.55	W 104 11 45.55
2nd Bone Spring Sand Base	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 7.85	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	4298.53	670.43	-670.42	2.34	8.00	412833.41	542515.36	N 32 8 5.72	W 104 11 45.54
	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
Landina Point	8000.00	90.00	179.80	7537.00	4300.00	770.40	-770.39	2.69	0.00	412733.48	542515.71	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 45.46
	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
	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
Chevron Hayhurst 16-1H - PBHL	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	4668.25	-4668.22	16.98	0.00	408639.90	542530.00	N 32 7 24.10	W 104 11 45.43

Survey Type: Del Plan

Survey Error Model: ICSWA 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

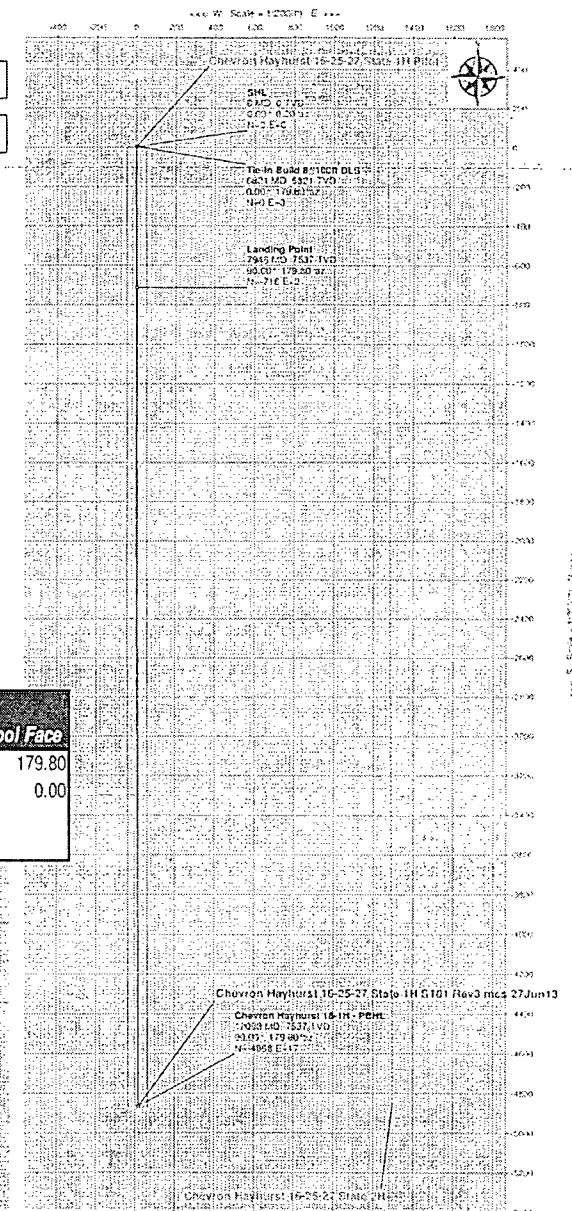
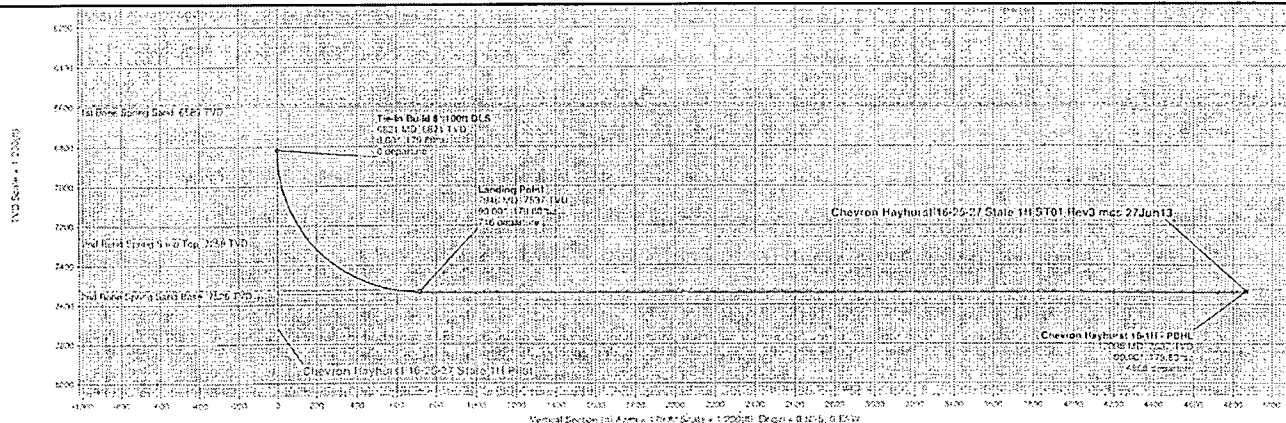
Well: Hayhurst 16-25-27 State 1H				Location: Eddy County, NM (NAD 27)				State Well: Ensign 767			
Map: Pathfinder	Fig: 00000	Date: 06/01/2016	Scale: 1:1000	North Arrow: 0.000000	North Arrow: 0.000000	North Arrow: 0.000000	North Arrow: 0.000000	Map: Pathfinder	Fig: 00000	Date: 06/01/2016	Scale: 1:1000
Map: Pathfinder	Fig: 00000	Date: 06/01/2016	Scale: 1:1000	North Arrow: 0.000000	North Arrow: 0.000000	North Arrow: 0.000000	North Arrow: 0.000000	Map: Pathfinder	Fig: 00000	Date: 06/01/2016	Scale: 1:1000

Legend

SHL	SHL
Tie-In Build 8 7/100# DLS	Tie-In Build 8 7/100# DLS
Landing Point	Landing Point
PBHL	PBHL

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

Critical Points													
Comments	Survey MD	Inc	Azlm	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 7/100# DLS	6820.80	-0.00	179.80	6820.80	3533.80	-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: [Name]
Scale: 1:1000
Date: 06/01/2016
By: [Name]