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

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

Form C-103
Revised August 1, 2011

WELL API NO. 30-015-41121

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name
HAYHURST 16 25 27 STATE

1. Type of Well: Oil Well [X] Gas Well [ ] Other

8. Well Number 2H

2. Name of Operator
Chevron USA, Inc.

9. OGRID Number 4323

3. Address of Operator 15 Smith Road
Midland, TX 79705

10. Pool name or Wildcat
WILDCAT; G-02 S2527 ; BONE SPRING

4. Well Location
Unit Letter B : 175' feet from the North line and 1733' feet from the East line
Section 16 Township 25 S Range 27 E NMPM County Eddy

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3200' GR

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 [ ]			
OTHER: Change Prod. Casing Program/Amend Pit Permit [X]		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 permt.
Fluids and cuttings to be transported to R360 Environmental Solutions.

RECEIVED
JUL 09 2013
NMOCD ARTESIA

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 [signature] 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 II Supervisor DATE July 9 2013

Conditions of Approval (if any):

HAYHURST 16 25 27 STATE 2H
Update

[17] Proposed Depth	[18] Formation
11,615'	Wildcat

[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#	+/-7,050' TVD, 11,615' MD	2042	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#	+/-7,050' TVD, 11,615' MD	1,150'	11,615' MD	2042

Note: Production section will be cased hole and cemented.

Chevron Hayhurst 16-25-27 State 2H Rev3 mcs 27Jun13 Proposal Geodetic Report

(Non-Def Plan)

Report Date:	June 27, 2013 - 04:29 PM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	Chevron	**Vertical Section Azimuth:**	179.842 ° (Grid North)
Field:	NM Eddy County (NAD 27)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Chevron Hayhurst 16-25-27 State 2H / Chevron Hayhurst 16-25-27 State 2H	**TVD Reference Datum:**	RKB
Well:	Chevron Hayhurst 16-25-27 State 2H	**TVD Reference Elevation:**	3225.000 ft above MSL
Borehole:	Original Borehole	**Seabed / Ground Elevation:**	3200.000 ft above MSL
UWI / API#:	Ensign 767 / 30-015-41121	**Magnetic Declination:**	7.748 °
Survey Name:	Chevron Hayhurst 16-25-27 State 2H Rev3 mcs 27Jun13	**Total Gravity Field Strength:**	998.4988mgn (9.80665 Based)
Survey Date:	April 02, 2013	**Total Magnetic Field Strength:**	48285.712 nT
Tort / AHD / DDI / ERD Ratio:	90.124 ° / 4863.496 ft / 5.858 / 0.689	**Magnetic Dip Angle:**	59.906 °
Coordinate Reference System:	NAD27 New Mexico State Plane, Eastern Zone, US Feet	**Declination Date:**	April 02, 2013
Location Lat / Long:	N 32° 8' 12.46493", W 104° 11' 30.73979"	**Magnetic Declination Model:**	BGGM 2012
Location Grid N/E Y/X:	N 413517.000 ftUS, E 543787.000 ftUS	**North Reference:**	Grid North
CRS Grid Convergence Angle:	0.0752 °	**Grid Convergence Used:**	0.0752 °
Grid Scale Factor:	0.99991129	**Total Corr Mag North->Grid North:**	7.6724 °
		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	179.73	0.00	-3225.00	0.00	0.00	0.00	N/A	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	100.00	0.00	179.73	100.00	-3125.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	200.00	0.00	179.73	200.00	-3025.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	300.00	0.00	179.73	300.00	-2925.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	400.00	0.00	179.73	400.00	-2825.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	500.00	0.00	179.73	500.00	-2725.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	600.00	0.00	179.73	600.00	-2625.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	700.00	0.00	179.73	700.00	-2525.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	800.00	0.00	179.73	800.00	-2425.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	900.00	0.00	179.73	900.00	-2325.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	1000.00	0.00	179.73	1000.00	-2225.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	1100.00	0.00	179.73	1100.00	-2125.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	1200.00	0.00	179.73	1200.00	-2025.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	1300.00	0.00	179.73	1300.00	-1925.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	1400.00	0.00	179.73	1400.00	-1825.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	1500.00	0.00	179.73	1500.00	-1725.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	1600.00	0.00	179.73	1600.00	-1625.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	1700.00	0.00	179.73	1700.00	-1525.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	1800.00	0.00	179.73	1800.00	-1425.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	1900.00	0.00	179.73	1900.00	-1325.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	2000.00	0.00	179.73	2000.00	-1225.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	2100.00	0.00	179.73	2100.00	-1125.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	2200.00	0.00	179.73	2200.00	-1025.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	2300.00	0.00	179.73	2300.00	-925.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	2400.00	0.00	179.73	2400.00	-825.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	2500.00	0.00	179.73	2500.00	-725.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	2600.00	0.00	179.73	2600.00	-625.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	2700.00	0.00	179.73	2700.00	-525.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	2800.00	0.00	179.73	2800.00	-425.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	2900.00	0.00	179.73	2900.00	-325.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	3000.00	0.00	179.73	3000.00	-225.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	3100.00	0.00	179.73	3100.00	-125.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	3200.00	0.00	179.73	3200.00	-25.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	3300.00	0.00	179.73	3300.00	75.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	3400.00	0.00	179.73	3400.00	175.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	3500.00	0.00	179.73	3500.00	275.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	3600.00	0.00	179.73	3600.00	375.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	3700.00	0.00	179.73	3700.00	475.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	3800.00	0.00	179.73	3800.00	575.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	3900.00	0.00	179.73	3900.00	675.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	4000.00	0.00	179.73	4000.00	775.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	4100.00	0.00	179.73	4100.00	875.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	4200.00	0.00	179.73	4200.00	975.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	4300.00	0.00	179.73	4300.00	1075.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	4400.00	0.00	179.73	4400.00	1175.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	4500.00	0.00	179.73	4500.00	1275.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	4600.00	0.00	179.73	4600.00	1375.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	4700.00	0.00	179.73	4700.00	1475.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	4800.00	0.00	179.73	4800.00	1575.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	4900.00	0.00	179.73	4900.00	1675.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	5000.00	0.00	179.73	5000.00	1775.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	5100.00	0.00	179.73	5100.00	1875.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	5200.00	0.00	179.73	5200.00	1975.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	5300.00	0.00	179.73	5300.00	2075.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	5400.00	0.00	179.73	5400.00	2175.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	5500.00	0.00	179.73	5500.00	2275.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	5600.00	0.00	179.73	5600.00	2375.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	5700.00	0.00	179.73	5700.00	2475.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	5800.00	0.00	179.73	5800.00	2575.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	5900.00	0.00	179.73	5900.00	2675.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	6000.00	0.00	179.73	6000.00	2775.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	6100.00	0.00	179.73	6100.00	2875.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	6200.00	0.00	179.73	6200.00	2975.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	6300.00	0.00	179.73	6300.00	3075.00	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
KOP Build 8°/100ft DLS	6342.80	0.00	179.73	6342.80	3117.80	0.00	0.00	0.00	0.00	413517.00	543787.00	N 32 8 12.46	W 104 11 30.74
	6400.00	4.58	179.73	6399.94	3174.94	2.28	-2.28	0.01	8.00	413514.72	543787.01	N 32 8 12.44	W 104 11 30.74
	6500.00	12.58	179.73	6498.74	3273.74	17.18	-17.18	0.08	8.00	413499.82	543787.08	N 32 8 12.29	W 104 11 30.74
	6600.00	20.58	179.73	6594.51	3369.51	45.69	-45.69	0.22	8.00	413471.32	543787.22	N 32 8 12.01	W 104 11 30.74
	6700.00	28.58	179.73	6685.37	3460.37	87.24	-87.24	0.41	8.00	413429.76	543787.41	N 32 8 11.60	W 104 11 30.74
	6800.00	36.58	179.73	6769.57	3544.57	141.04	-141.04	0.67	8.00	413375.97	543787.67	N 32 8 11.07	W 104 11 30.73
	6900.00	44.58	179.73	6845.47	3620.47	206.04	-206.03	0.97	8.00	413310.99	543787.97	N 32 8 10.43	W 104 11 30.73
	7000.00	52.58	179.73	6911.58	3686.58	280.96	-280.95	1.33	8.00	413236.07	543788.33	N 32 8 9.68	W 104 11 30.73
	7100.00	60.58	179.73	6966.61	3741.61	364.35	-364.35	1.72	8.00	413152.69	543788.72	N 32 8 8.86	W 104 11 30.73
	7200.00	68.58	179.73	7009.51	3784.51	454.59	-454.59	2.15	8.00	413062.45	543789.15	N 32 8 7.97	W 104 11 30.72
	7300.00	76.58	179.73	7039.43	3814.43	549.93	-549.92	2.60	8.00	412967.13	543789.60	N 32 8 7.02	W 104 11 30.72
	7400.00	84.58	179.73	7055.79	3830.79	648.50	-648.49	3.07	8.00	412868.57	543790.07	N 32 8 6.05	W 104 11 30.71

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 ° ' ")
Landing Point	7469.35	90.12	179.73	7059.00	3834.00	717.75	-717.74	3.39	0.00	412799.32	543790.39	N 32 8 5.36	W 104 11 30.71
	7500.00	90.12	179.73	7058.93	3833.93	748.40	-748.39	3.54	0.00	412768.68	543790.54	N 32 8 5.06	W 104 11 30.71
	7600.00	90.12	179.73	7058.71	3833.71	848.40	-848.39	4.01	0.00	412668.69	543791.01	N 32 8 4.07	W 104 11 30.71
	7700.00	90.12	179.73	7058.50	3833.50	948.39	-948.39	4.49	0.00	412568.70	543791.49	N 32 8 3.08	W 104 11 30.70
	7800.00	90.12	179.73	7058.28	3833.28	1048.39	-1048.38	4.96	0.00	412468.71	543791.96	N 32 8 2.09	W 104 11 30.70
	7900.00	90.12	179.73	7058.06	3833.06	1148.39	-1148.38	5.43	0.00	412368.72	543792.43	N 32 8 1.10	W 104 11 30.69
	8000.00	90.12	179.73	7057.84	3832.84	1248.39	-1248.38	5.90	0.00	412268.73	543792.90	N 32 8 0.11	W 104 11 30.69
	8100.00	90.12	179.73	7057.63	3832.63	1348.39	-1348.38	6.38	0.00	412168.74	543793.38	N 32 7 59.12	W 104 11 30.69
	8200.00	90.12	179.73	7057.41	3832.41	1448.39	-1448.38	6.85	0.00	412068.75	543793.85	N 32 7 58.13	W 104 11 30.68
	8300.00	90.12	179.73	7057.19	3832.19	1548.39	-1548.38	7.32	0.00	411968.76	543794.32	N 32 7 57.14	W 104 11 30.68
	8400.00	90.12	179.73	7056.98	3831.98	1648.39	-1648.38	7.80	0.00	411868.77	543794.80	N 32 7 56.15	W 104 11 30.67
	8500.00	90.12	179.73	7056.76	3831.76	1748.39	-1748.38	8.27	0.00	411768.78	543795.27	N 32 7 55.16	W 104 11 30.67
	8600.00	90.12	179.73	7056.54	3831.54	1848.39	-1848.37	8.74	0.00	411668.79	543795.74	N 32 7 54.17	W 104 11 30.67
	8700.00	90.12	179.73	7056.33	3831.33	1948.39	-1948.37	9.22	0.00	411568.80	543796.21	N 32 7 53.18	W 104 11 30.66
	8800.00	90.12	179.73	7056.11	3831.11	2048.39	-2048.37	9.69	0.00	411468.81	543796.69	N 32 7 52.19	W 104 11 30.66
	8900.00	90.12	179.73	7055.89	3830.89	2148.39	-2148.37	10.16	0.00	411368.83	543797.16	N 32 7 51.21	W 104 11 30.65
	9000.00	90.12	179.73	7055.67	3830.67	2248.39	-2248.37	10.63	0.00	411268.84	543797.63	N 32 7 50.22	W 104 11 30.65
	9100.00	90.12	179.73	7055.46	3830.46	2348.39	-2348.37	11.11	0.00	411168.85	543798.11	N 32 7 49.23	W 104 11 30.65
	9200.00	90.12	179.73	7055.24	3830.24	2448.39	-2448.37	11.58	0.00	411068.86	543798.58	N 32 7 48.24	W 104 11 30.64
	9300.00	90.12	179.73	7055.02	3830.02	2548.39	-2548.36	12.05	0.00	410968.87	543799.05	N 32 7 47.25	W 104 11 30.64
	9400.00	90.12	179.73	7054.81	3829.81	2648.39	-2648.36	12.53	0.00	410868.88	543799.52	N 32 7 46.26	W 104 11 30.63
	9500.00	90.12	179.73	7054.59	3829.59	2748.39	-2748.36	13.00	0.00	410768.89	543800.00	N 32 7 45.27	W 104 11 30.63
	9600.00	90.12	179.73	7054.37	3829.37	2848.39	-2848.36	13.47	0.00	410668.90	543800.47	N 32 7 44.28	W 104 11 30.63
	9700.00	90.12	179.73	7054.16	3829.16	2948.39	-2948.36	13.94	0.00	410568.91	543800.94	N 32 7 43.29	W 104 11 30.62
	9800.00	90.12	179.73	7053.94	3828.94	3048.39	-3048.36	14.42	0.00	410468.92	543801.42	N 32 7 42.30	W 104 11 30.62
	9900.00	90.12	179.73	7053.72	3828.72	3148.39	-3148.36	14.89	0.00	410368.93	543801.89	N 32 7 41.31	W 104 11 30.61
	10000.00	90.12	179.73	7053.50	3828.50	3248.38	-3248.35	15.36	0.00	410268.94	543802.36	N 32 7 40.32	W 104 11 30.61
	10100.00	90.12	179.73	7053.29	3828.29	3348.38	-3348.35	15.84	0.00	410168.95	543802.83	N 32 7 39.33	W 104 11 30.61
	10200.00	90.12	179.73	7053.07	3828.07	3448.38	-3448.35	16.31	0.00	410068.96	543803.31	N 32 7 38.34	W 104 11 30.60
	10300.00	90.12	179.73	7052.85	3827.85	3548.38	-3548.35	16.78	0.00	409968.97	543803.78	N 32 7 37.35	W 104 11 30.60
	10400.00	90.12	179.73	7052.64	3827.64	3648.38	-3648.35	17.26	0.00	409868.98	543804.25	N 32 7 36.36	W 104 11 30.59
	10500.00	90.12	179.73	7052.42	3827.42	3748.38	-3748.35	17.73	0.00	409768.99	543804.73	N 32 7 35.37	W 104 11 30.59
	10600.00	90.12	179.73	7052.20	3827.20	3848.38	-3848.35	18.20	0.00	409669.00	543805.20	N 32 7 34.38	W 104 11 30.59
	10700.00	90.12	179.73	7051.99	3826.99	3948.38	-3948.35	18.67	0.00	409569.01	543805.67	N 32 7 33.39	W 104 11 30.58
	10800.00	90.12	179.73	7051.77	3826.77	4048.38	-4048.34	19.15	0.00	409469.02	543806.15	N 32 7 32.40	W 104 11 30.58
	10900.00	90.12	179.73	7051.55	3826.55	4148.38	-4148.34	19.62	0.00	409369.03	543806.62	N 32 7 31.41	W 104 11 30.57
	11000.00	90.12	179.73	7051.33	3826.33	4248.38	-4248.34	20.09	0.00	409269.04	543807.09	N 32 7 30.42	W 104 11 30.57
	11100.00	90.12	179.73	7051.12	3826.12	4348.38	-4348.34	20.57	0.00	409169.05	543807.56	N 32 7 29.44	W 104 11 30.57
	11200.00	90.12	179.73	7050.90	3825.90	4448.38	-4448.34	21.04	0.00	409069.06	543808.04	N 32 7 28.45	W 104 11 30.56
	11300.00	90.12	179.73	7050.68	3825.68	4548.38	-4548.34	21.51	0.00	408969.08	543808.51	N 32 7 27.46	W 104 11 30.56
	11400.00	90.12	179.73	7050.47	3825.47	4648.38	-4648.34	21.98	0.00	408869.09	543808.98	N 32 7 26.47	W 104 11 30.56
	11500.00	90.12	179.73	7050.25	3825.25	4748.38	-4748.33	22.46	0.00	408769.10	543809.46	N 32 7 25.48	W 104 11 30.55
	11600.00	90.12	179.73	7050.03	3825.03	4848.38	-4848.33	22.93	0.00	408669.11	543809.93	N 32 7 24.49	W 104 11 30.55
Chevron Hayhurst 16-2H - PBHL	11615.11	90.12	179.73	7050.00	3825.00	4863.49	-4863.44	23.00	0.00	408654.00	543810.00	N 32 7 24.34	W 104 11 30.55

Survey Type: Non-Def Plan

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

Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	25.000	1/100.000	30.000	30.000	SLB_MWD-STD-Depth Only	Original Borehole / Chevron Hayhurst 16-25-27 State 2H
	25.000	11615.108	1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / Chevron Hayhurst 16-25-27 State 2H

Ensign 767

Chevron

REV 3

PATHFINDER
A Schlumberger Company

WELL	FIELD	STRUCTURE
Hayhurst 16-25-27 State 2H	Eddy County, NM (NAD 27)	Ensign 767

Magnetic Parameters				Surface Location				Miscellaneous			
Model: BGGM 2012	Dip: 59.946°	Date: April 02, 2013		Lat: N 32 8 12.465	Northing: 413517.00 US	Grid Conv: 0.075°		Slot: Hayhurst 16-25-27 State 2H	TVD Ref: RKB(32250 above MSL)		
	Mag Dec: 7.748°	FS: 48285.7nT		Lon: W 104 11 30.740	Easting: 543787.00 US	Scale Fact: 0.99991129		Plan: Rev3 mcs 27Jun13	Srvy Date: April 02, 2013		

NAD27 New Mexico State Plane, Eastern Zone, US Feet

Legend

Chevron Hayhurst 16-25-27 State 2H Rev3 mcs 27Jun13

Chevron Hayhurst 16-25-27 State 1H

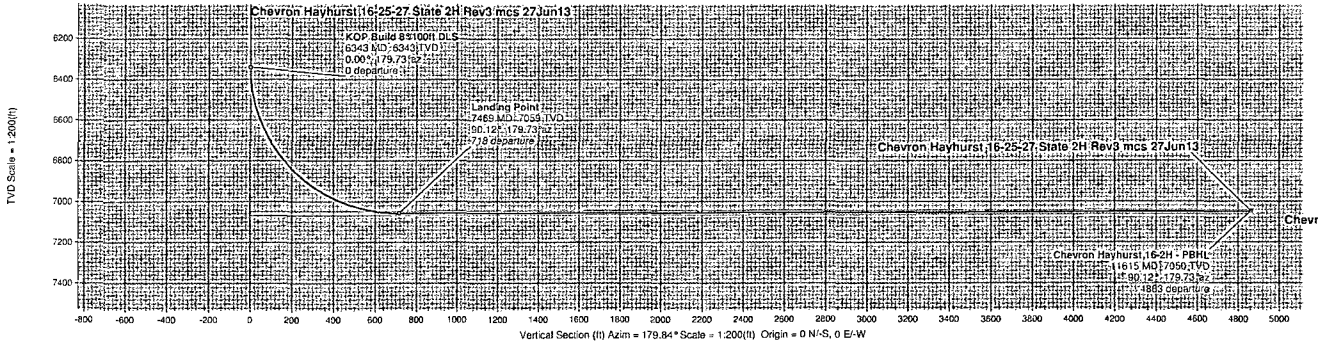
Chevron Hayhurst 16-2H - PBHL

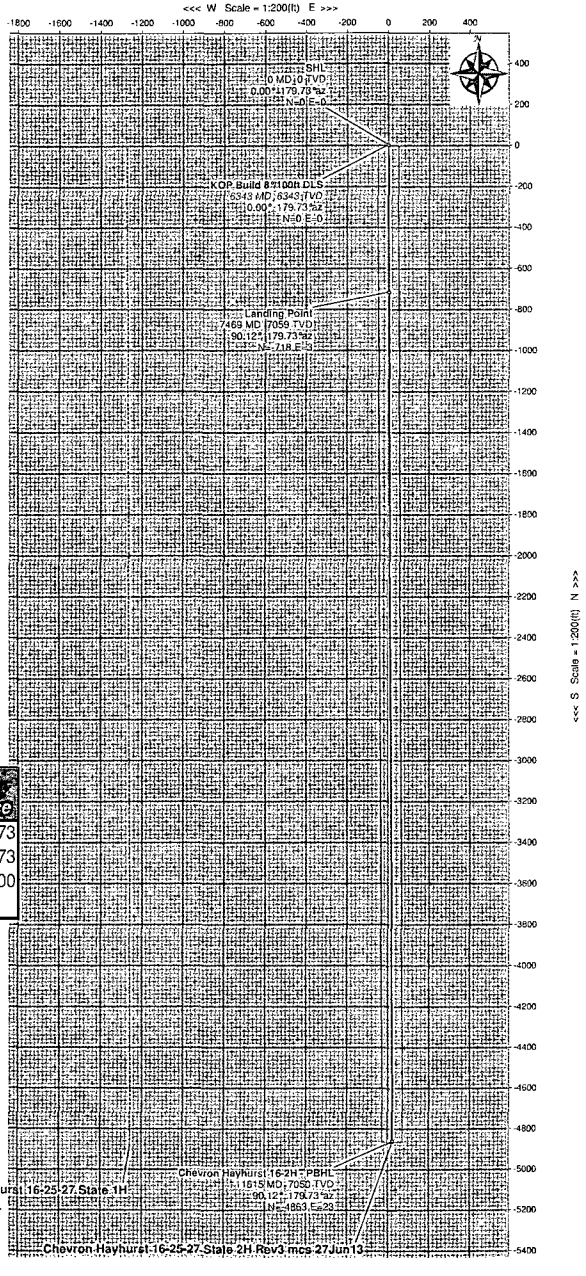
Chevron Hayhurst 16-25-27 State 2H Rev3 mcs 27Jun13

Grid North
Tot Corr (M->G 7.6724°)
Mag Dec (7.748°)
Grid Conv (0.075°)

Critical Points

Comments	Survey MD	Inc	Azim	TVD	SSTVD	VS	NS	EW	Longitude	Latitude	Easting	Northing	DLS	Tool Face
SHL	0.00	0.00	179.73	0.00	-3225.00	0.00	0.00	0.00	N 32 8 12.465	W 104 11 30.740	543787.00	413517.00		179.73
KOP Build 8°/100ft DLS	6342.80	0.00	179.73	6342.80	3117.80	0.00	0.00	0.00	N 32 8 12.465	W 104 11 30.740	543787.00	413517.00	0.00	179.73
Landing Point	7469.35	90.12	179.73	7059.00	3834.00	717.75	-717.74	3.39	N 32 8 5.362	W 104 11 30.711	543790.39	412799.32	8.00	0.00
PBHL	11615.11	90.12	179.73	7050.00	3825.00	4863.49	-4863.44	23.00	N 32 7 24.338	W 104 11 30.547	543810.00	408654.00	0.00	





Drawn By:	MShelter
Date Created:	June 27, 2013 04:32:20 PM
Checked By:	
Checked Date:	
Approved By:	
Approved Date:	