

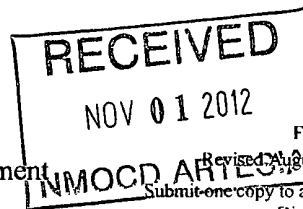
DISTRICT I  
1625 N French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
811 S First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 Rio Brazos Rd., Artesia, NM 88210  
Phone: (505) 334-6175 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, New Mexico 87505



Form C-102

Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                   |                                                               |                                             |
|-----------------------------------|---------------------------------------------------------------|---------------------------------------------|
| API Number<br><b>30-015-40826</b> | Pool Code<br><b>30212</b>                                     | Pool Name<br><b>HARROUN RANCH; DELAWARE</b> |
| Property Code<br><b>39533</b>     | Property Name<br><b>Harroun Trust 31</b>                      | Well Number<br><b>4H</b>                    |
| OGRJD No.<br><b>6137</b>          | Operator Name<br><b>DEVON ENERGY PRODUCTION COMPANY, L.P.</b> | Elevation<br><b>2958.1'</b>                 |

Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| O             | 31      | 23 S     | 29 E  |         | 330           | SOUTH            | 1345          | EAST           | 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 |
|--------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| J            | 30      | 23 S     | 29 E  |         | 2310          | SOUTH            | 1980          | EAST           | EDDY   |

| Dedicated Acres | Joint or Infill | Consolidated Code | Order No. |
|-----------------|-----------------|-------------------|-----------|
| 240             |                 |                   |           |

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.

|                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>NW COR SEC 30<br/>NMSP-E (NAD 83)<br/>Y = 467027.2' N<br/>X = 634389.4' E<br/>LAT. = N32° 17' 00.86"<br/>LONG. = W104° 01' 56.01"</p> <p>SW COR SEC 30<br/>NW COR SEC 31<br/>NMSP-E (NAD 83)<br/>Y = 461706.6' N<br/>X = 634385.1' E<br/>N LAT. = N32° 16' 08.21"<br/>W LONG. = W104° 01' 56.23"</p> | <p>HARROUN TRUST 31-30 #4H<br/>BHL<br/>NMSP-E (NAD 83)<br/>Y = 463952.1' N<br/>X = 637579.2' E<br/>LAT. = N32° 16' 30.34"<br/>LONG. = W104° 01' 18.95"</p> <p>HARROUN TRUST 31-30 #4H SHL<br/>NMSP-E (NAD 83)<br/>Y = 456687.5' N<br/>X = 638319.4' E<br/>LAT. = N32° 15' 18.43"<br/>LONG. = W104° 01' 10.58"</p> | <p>NE COR SEC 30<br/>NMSP-E (NAD 83)<br/>Y = 466889.9' N<br/>X = 639549.8' E<br/>N LAT. = N32° 16' 59.36"<br/>W LONG. = W104° 00' 55.90"</p> <p>SE COR SEC 30<br/>NE COR SEC 31<br/>NMSP-E (NAD 83)<br/>Y = 461601.1' N<br/>X = 639566.7' E<br/>N LAT. = N32° 16' 07.02"<br/>W LONG. = W104° 00' 55.88"</p> <p>SE COR SEC 31<br/>NMSP-E (NAD 83)<br/>Y = 456348.5' N<br/>X = 639670.8' E<br/>N LAT. = N32° 15' 15.04"<br/>W LONG. = W104° 00' 54.85"</p> | <p><b>OPERATOR CERTIFICATION</b><br/>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 released 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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Patti Riechers</i> 10/30/12<br/>Signature Date<br/>Patti Riechers, Regulatory Specialist<br/>Print Name<br/>Patti.Riechers@dmn.com<br/>E-mail Address</p> <p><b>SURVEYORS CERTIFICATION</b><br/>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.</p> <p>JUNE 24, 2012<br/>Date of Survey<br/>Signature and Seal of Professional Surveyor<br/><br/>Job No. WTC48539<br/>JAMES E. TOMPKINS 14729<br/>Certificate Number</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

This is a detailed topographic map of Section 31, T 23 S, R 29 E, N.M.P.M. The map features a grid of section numbers (30, 29, 32, 36) and township/range coordinates. Key geographical features include the Harroun River, Scoggin Flat, and a canal. A prominent road is labeled 'PROP. 405' LEASE ROAD' with a stationing of 6+51.25. The map also shows various elevation points (e.g., 2999T, 2962T, 2958T) and a specific area labeled 'HARROUN TRUST 31-30 #4H' with a black dot indicating a well location. The map is overlaid with a grid of section numbers and township/range coordinates.

BEGINNING AT THE JUNCTION OF US 285 AND COUNTY ROAD 720. GO EAST ON COUNTY ROAD 720 0.8 MILES TO HARROUN ROAD ON THE LEFT. GO NORTH/NORTHEAST ON HARROUN ROAD FOR 3.1 MILES TO A FORK IN THE ROAD. CONTINUE NORTH, LEFT, ON SAID HARROUN RD 0.5 MILES TO A PROPOSED LEASE ROAD TO THE LEFT AND LOCATION IS ±615 FEET TO THE NORTH/NORTHEAST.

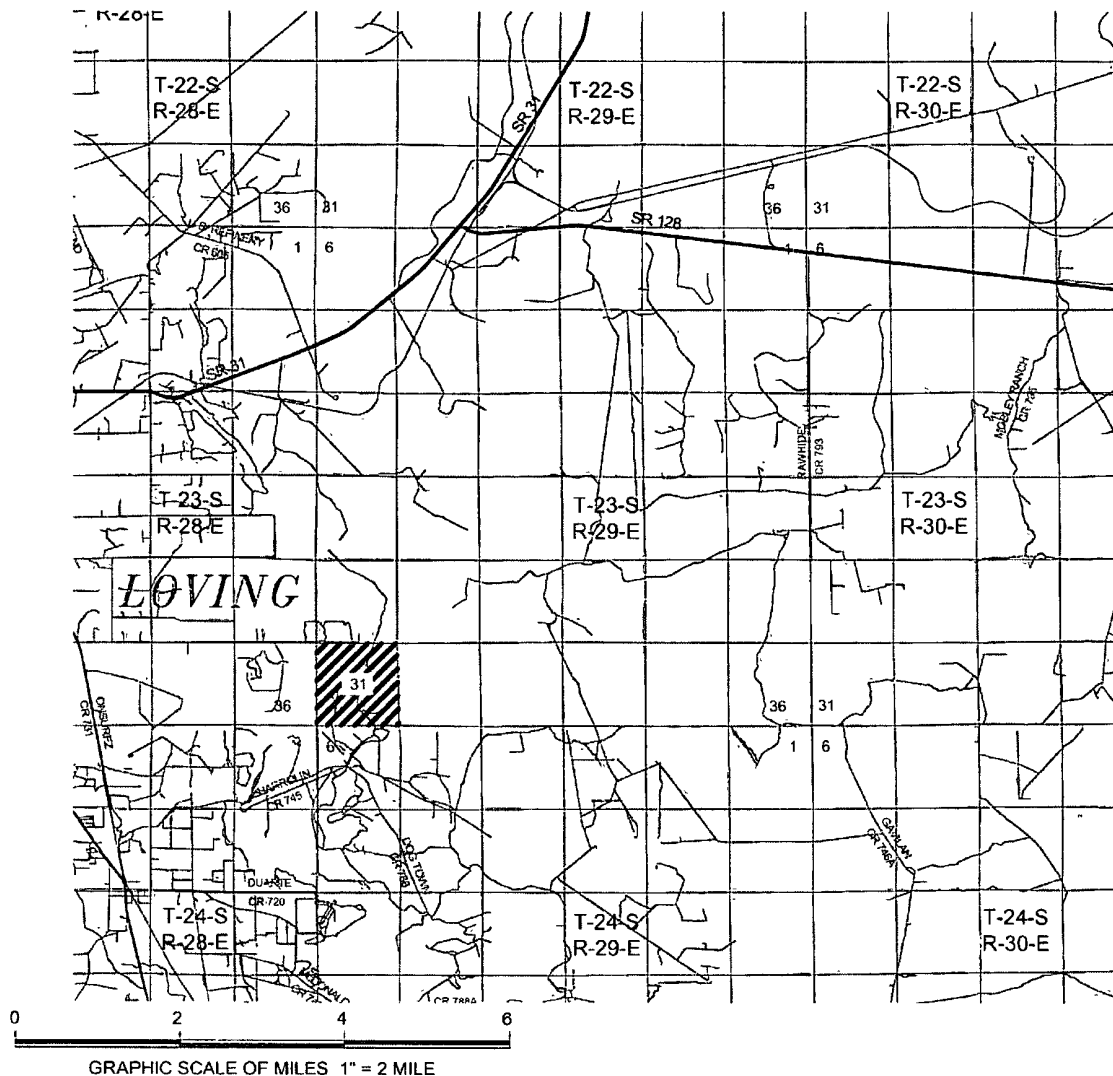


**WEST TEXAS CONSULTANTS, INC.**  
ENGINEERS PLANNERS SURVEYORS  
405 S.W. 1st STREET  
ANDREWS, TEXAS 79714  
(432) 523-2181

**devon**

JOB No.: WTC48539

# VICINITY MAP



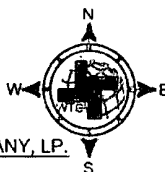
SECTION 31, T 23 S, R 29 E, N.M.P.M.

COUNTY: EDDY STATE: NM

DESCRIPTION: 330' FSL & 1345' FEL

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, LP.

WELL NAME: HARROUN TRUST 31-30 #4H



## DRIVING DIRECTIONS:

BEGINNING AT THE JUNCTION OF US 285 AND COUNTY ROAD 720 0.8 MILES TO HARROUN ROAD ON THE LEFT. GO NORTH/NORTHEAST ON HARROUN ROAD FOR 3.1 MILES TO A FORK IN THE ROAD. CONTINUE NORTH, LEFT, ON SAID HARROUN RD 0.5 MILES TO A PROPOSED LEASE ROAD TO THE LEFT AND LOCATION IS ±615 FEET TO THE NORTH/NORTHEAST.



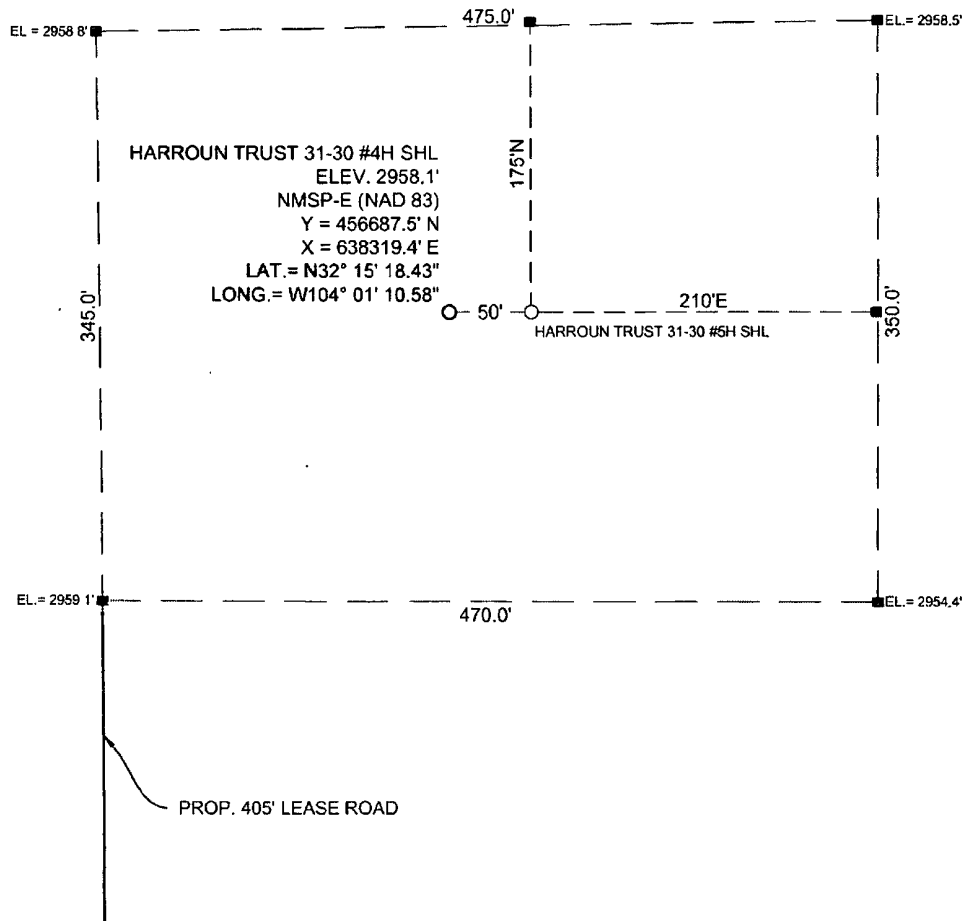
WEST TEXAS CONSULTANTS, INC.  
ENGINEERS PLANNERS SURVEYORS  
405 S.W. 1st STREET  
ANDREWS, TEXAS 79714  
(432) 523-2181



JOB No. WTC48539

A: PRODUCTION & DEVON ENERGY COMPANY, 14533-0000, 31, T23 S, R29 E, N.M.P.M.

# SITE LOCATION



SCALE. 1" = 100'

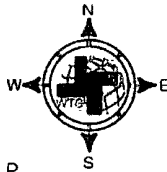
SECTION 31, T 23 S, R. 29 E, N.M.P.M.

COUNTY: EDDY STATE: NM

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WEST TEXAS CONSULTANTS, INC.  
ENGINEERS PLANNERS SURVEYORS  
405 S.W. 1st STREET  
ANDREWS, TEXAS 79714  
(432) 623-2181



JOB No. WTC48539

2: Project\UP & Down Survey\Devon Energy\State & Job 11 Federal\Map\06531-1055204 31 (C) 2006 8/10/06



Devon

**PATHFINDER**  
A Schlumberger Company

|                               |  |           |  |         |  |                         |  |      |  |                  |  |                         |  |                |  |                                                     |  |                |  |                        |  |
|-------------------------------|--|-----------|--|---------|--|-------------------------|--|------|--|------------------|--|-------------------------|--|----------------|--|-----------------------------------------------------|--|----------------|--|------------------------|--|
| WELL                          |  |           |  |         |  | FIELD                   |  |      |  |                  |  | STRUCTURE               |  |                |  |                                                     |  |                |  |                        |  |
| Devon Harroun Trust 31-30 #4H |  |           |  |         |  | NM Eddy County (NAD 83) |  |      |  |                  |  |                         |  |                |  |                                                     |  |                |  |                        |  |
| Magnetic Information          |  |           |  |         |  |                         |  |      |  |                  |  | Miscellaneous           |  |                |  |                                                     |  |                |  |                        |  |
| Magnet                        |  | BDGM 2012 |  | Dip     |  | 40.042°                 |  | Date |  | October 29, 2012 |  | Surface Location        |  |                |  | NAD83 New Mexico State Plane, Eastern Zone, US Feet |  |                |  |                        |  |
|                               |  |           |  | Mag Dec |  | 7.724°                  |  |      |  |                  |  | Lat                     |  | N 32 15 18.431 |  | Northing                                            |  | 456887.50 IJUS |  | Grid Cont. @ 101°      |  |
|                               |  |           |  |         |  |                         |  | Eas  |  | 48434.767        |  | Long                    |  | W 104 1 10.579 |  | Easting                                             |  | 638319.40 IJUS |  | Scale Fact. @ 99991986 |  |
|                               |  |           |  |         |  |                         |  |      |  |                  |  | Harroun Trust 31-30 #4H |  |                |  | TVD Ref                                             |  |                |  |                        |  |
|                               |  |           |  |         |  |                         |  |      |  |                  |  | Plan                    |  |                |  | RLVD-NEB-29-OCT-12                                  |  |                |  |                        |  |
|                               |  |           |  |         |  |                         |  |      |  |                  |  | Srvy Date               |  |                |  | October 29, 2012                                    |  |                |  |                        |  |

Legend

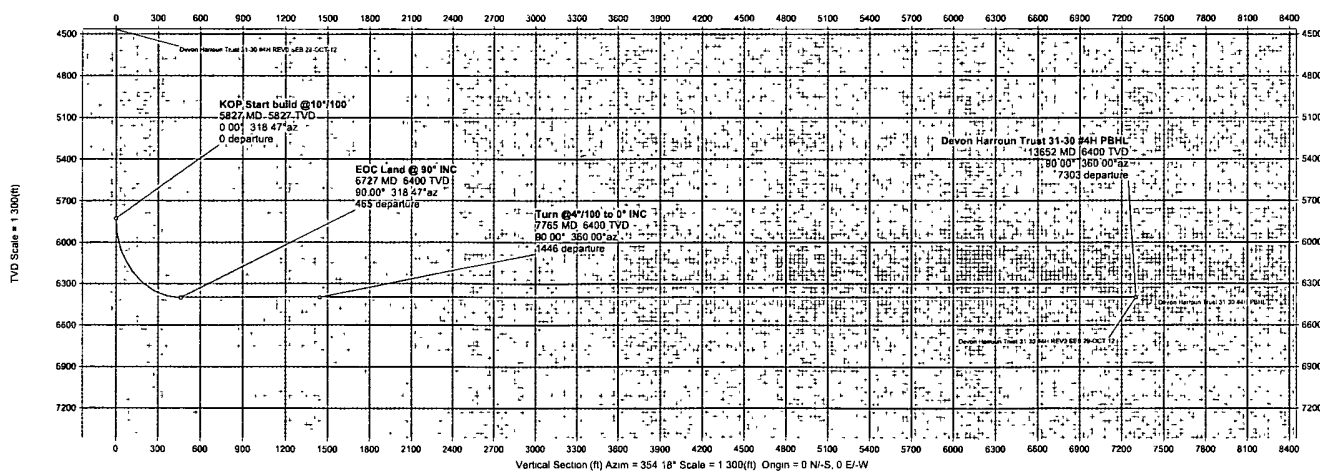
Devon Harroun Trust 31-30 #4H RLVD-NEB-29-OCT-12  
Devon Harroun Trust 31-30 #4H PBL  
Devon Harroun Trust 31-30 #4H PBL  
Devon Harroun Trust 31-30 #4H PBL



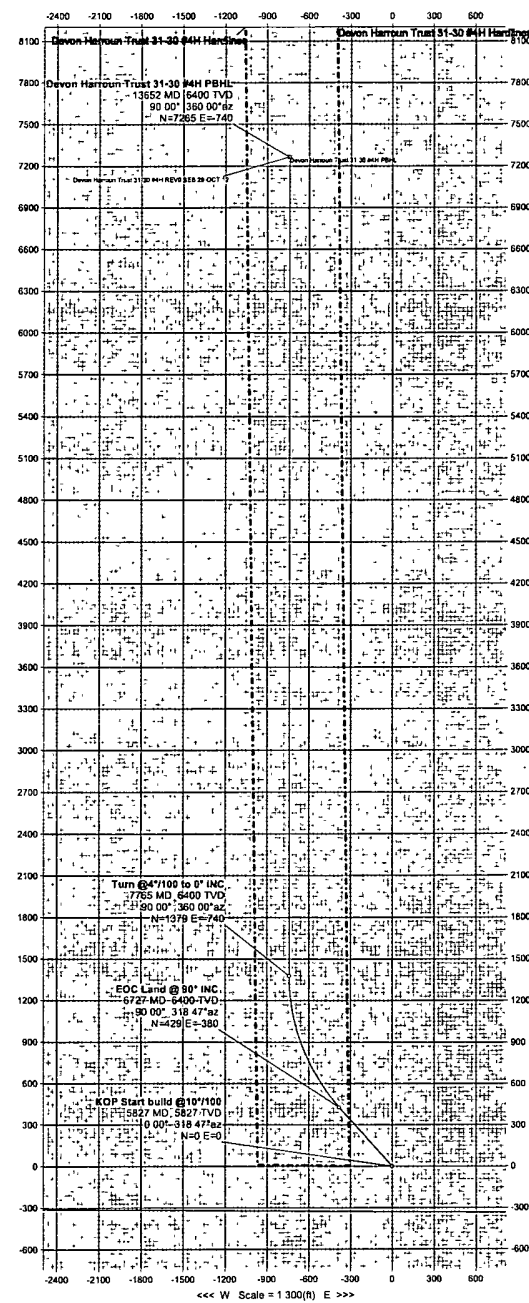
Grid North  
East Line (M-421 501°)  
Mag Dec (7.724°)  
(Grid Line @ 10°)

Critical Points

| Comments                          | Survey MD(ft) | Inclination(deg) | Azimuth(deg) | TVD(ft) | Sub-Sea TVD | VS(ft)  | NS(ft)  | EW(ft)  | Latitude(deg)  | Longitude(deg) | Eastings(ftUS) | Northings(ftUS) | Closure(ft) | Closure Azimuth(deg) | DLS(F/100ft) | Tool Face(deg) |
|-----------------------------------|---------------|------------------|--------------|---------|-------------|---------|---------|---------|----------------|----------------|----------------|-----------------|-------------|----------------------|--------------|----------------|
| Tie-in                            | 0.00          | 0.00             | 318.47       | 0.00    | -2983.10    | 0.00    | 0.00    | 0.00    | N 32 15 18.431 | W 104 1 10.579 | 638319.40      | 456887.50       | 0.00        | 0.00                 | 0.00         | 318.47         |
| KOP Start build @10°/100          | 5827.04       | 0.00             | 318.47       | 5827.04 | 2843.94     | 0.00    | 0.00    | 0.00    | N 32 15 18.431 | W 104 1 10.579 | 638319.40      | 456887.50       | 0.00        | 0.00                 | 0.00         | 318.47         |
| EOC Land @ 90° INC                | 6727.04       | 90.00            | 318.47       | 6400.00 | 3416.30     | 465.22  | 428.92  | -379.86 | N 32 15 22.686 | W 104 1 14.988 | 637939.55      | 457116.39       | 572.96      | 318.47               | 10.00        | 90.00          |
| Turn @4°/100 to 0° INC            | 7765.22       | 90.00            | 360.00       | 6400.00 | 3416.30     | 1446.45 | 1378.55 | -739.97 | N 32 15 32.093 | W 104 1 19.149 | 637579.49      | 458065.93       | 1564.59     | 331.77               | 4.00         | 0.00           |
| Devon Harroun Trust 31-30 #4H PBL | 13651.87      | 90.00            | 360.00       | 6400.00 | 3416.30     | 7302.81 | 7265.20 | -740.26 | N 32 16 30.342 | W 104 1 18.954 | 637579.20      | 463952.10       | 7302.81     | 354.18               | 0.00         |                |



Scale = 1:300 (ft) N



Drawn By: Sals Bille  
Date Created: October 29, 2012 11:02:48 AM  
Checked By:  
Checked Date:  
Approved By:  
Approved Date:

# Devon Harroun Trust 31-30 #4H REV0 SEB 29-OCT-12 Proposal Geodetic Report (Def Plan)



Report Date: October 29, 2012 - 11 00 AM  
Client: Devon  
Field: NM Eddy County (NAD 83)  
Structure / Slot: Devon Harroun Trust 31-30 #4H / Devon Harroun Trust 31-30 #4H  
Well: Devon Harroun Trust 31-30 #4H  
Borehole: Original Borehole  
UWI / API#: Unknown / Unknown  
Survey Name: Devon Harroun Trust 31-30 #4H REV0 SEB 29-OCT-12  
Survey Date: October 29, 2012  
Tort / AHD / DDI / ERO Ratio: 131 527' / 7497 788 ft / 6 323 / 1 172  
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet  
Location Lat / Long: N 32° 15' 18.43085", W 104° 1' 10.57919"  
Location Grid N/E Y/X: N 456887 500 ftUS, E 638319 400 ftUS  
CRS Grid Convergence Angle: 0.1674 °  
Grid Scale Factor: 0.99991986

Survey / DLS Computation: Minimum Curvature / Lubinski  
Vertical Section Azimuth: 354 182 ° (Grid North)  
Vertical Section Origin: 0 000 ft, 0 000 ft  
TVD Reference Datum: KB  
TVD Reference Elevation: 2983 100 ft above  
Seabed / Ground Elevation: 2958 100 ft above  
Magnetic Declination: 7 729 °  
Total Gravity Field Strength: 999.2094 mgm (9.8 based)  
Total Magnetic Field Strength: 48434 714 nT  
Magnetic Dip Angle: 60 062 °  
Declination Date: October 29, 2012  
Magnetic Declination Model: BGGM 2012  
North Reference: Gnd North  
Grid Convergence Used: 0.1674 °  
Total Corr Mag North->Grid North: 7 5811 °  
Local Coord Referenced To: Structure Reference Point

| Comments | MD<br>(ft) | Incl<br>(°) | Azim Grid<br>(°) | TVD<br>(ft) | VSEC<br>(ft) | NS<br>(ft) | EW<br>(ft) | DLS<br>(*/100ft) | Northing<br>(ftUS) | Easting<br>(ftUS) | Latitude<br>(N/S ° ' ") | Longitude<br>(E/W ° ' ") |
|----------|------------|-------------|------------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|-------------------------|--------------------------|
| Tie-In   | 0 00       | 0 00        | 318 47           | 0 00        | 0 00         | 0 00       | 0 00       | N/A              | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 100 00     | 0 00        | 318 47           | 100 00      | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 200 00     | 0 00        | 318 47           | 200 00      | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 300 00     | 0 00        | 318 47           | 300 00      | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 400 00     | 0 00        | 318 47           | 400 00      | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 500 00     | 0 00        | 318 47           | 500 00      | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 600 00     | 0 00        | 318 47           | 600 00      | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 700 00     | 0 00        | 318 47           | 700 00      | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 800 00     | 0 00        | 318 47           | 800 00      | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 900 00     | 0 00        | 318 47           | 900 00      | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 1000 00    | 0 00        | 318 47           | 1000 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 1100 00    | 0 00        | 318 47           | 1100 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 1200 00    | 0 00        | 318 47           | 1200 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 1300 00    | 0 00        | 318 47           | 1300 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 1400 00    | 0 00        | 318 47           | 1400 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 1500 00    | 0 00        | 318 47           | 1500 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 1600 00    | 0 00        | 318 47           | 1600 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 1700 00    | 0 00        | 318 47           | 1700 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 1800 00    | 0 00        | 318 47           | 1800 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 1900 00    | 0 00        | 318 47           | 1900 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 2000 00    | 0 00        | 318 47           | 2000 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 2100 00    | 0 00        | 318 47           | 2100 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 2200 00    | 0 00        | 318 47           | 2200 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 2300 00    | 0 00        | 318 47           | 2300 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 2400 00    | 0 00        | 318 47           | 2400 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 2500 00    | 0 00        | 318 47           | 2500 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 2600 00    | 0 00        | 318 47           | 2600 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 2700 00    | 0 00        | 318 47           | 2700 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 2800 00    | 0 00        | 318 47           | 2800 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 2900 00    | 0 00        | 318 47           | 2900 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
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|          | 3100 00    | 0 00        | 318 47           | 3100 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 3200 00    | 0 00        | 318 47           | 3200 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 3300 00    | 0 00        | 318 47           | 3300 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 3400 00    | 0 00        | 318 47           | 3400 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 3500 00    | 0 00        | 318 47           | 3500 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 3600 00    | 0 00        | 318 47           | 3600 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 3700 00    | 0 00        | 318 47           | 3700 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 3800 00    | 0 00        | 318 47           | 3800 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 3900 00    | 0 00        | 318 47           | 3900 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 4000 00    | 0 00        | 318 47           | 4000 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 4100 00    | 0 00        | 318 47           | 4100 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 4200 00    | 0 00        | 318 47           | 4200 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 4300 00    | 0 00        | 318 47           | 4300 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 4400 00    | 0 00        | 318 47           | 4400 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 4500 00    | 0 00        | 318 47           | 4500 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 4600 00    | 0 00        | 318 47           | 4600 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 4700 00    | 0 00        | 318 47           | 4700 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 4800 00    | 0 00        | 318 47           | 4800 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 4900 00    | 0 00        | 318 47           | 4900 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 5000 00    | 0 00        | 318 47           | 5000 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 5100 00    | 0 00        | 318 47           | 5100 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 5200 00    | 0 00        | 318 47           | 5200 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 5300 00    | 0 00        | 318 47           | 5300 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 5400 00    | 0 00        | 318 47           | 5400 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 5500 00    | 0 00        | 318 47           | 5500 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 5600 00    | 0 00        | 318 47           | 5600 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 5700 00    | 0 00        | 318 47           | 5700 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |
|          | 5800 00    | 0 00        | 318 47           | 5800 00     | 0 00         | 0 00       | 0 00       | 0 00             | 456887 50          | 638319 40         | N 32 15 18 43           | W 104 1 10 58            |

| Comments                 | MD      | Incl  | Actual Grid | TVD     | VSEC    | NS      | EW      | DLS       | Nothing | Easting   | Latitude  | Longitude                   |
|--------------------------|---------|-------|-------------|---------|---------|---------|---------|-----------|---------|-----------|-----------|-----------------------------|
|                          | (ft)    | (°)   | (°)         | (ft)    | (ft)    | (ft)    | (ft)    | (ft)      | (ft)    | (N/S)     | (E/W)     | (E/M...)                    |
| KOP Start build @107/100 | 5827 04 | 0 00  | 318 47      | 5827 04 | 0 00    | 0 00    | 0 00    | 0 00      | 0 00    | 456687 50 | 638319 40 | N 32 15 18 43 W 104 1 10 58 |
| EOC Land @ 90°           | 6727 04 | 90 00 | 318 47      | 6400 00 | 465 22  | 428 92  | -379 88 | 45716 39  | 10 00   | 45716 39  | 63793 55  | N 32 15 22 69 W 104 1 14 99 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 6700 00 | 87 30 | 318 47      | 6399 36 | 443 27  | 408 69  | -361 96 | 457022 07 | 10 00   | 457022 07 | 638022 08 | N 32 15 21 75 W 104 1 14 02 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 6500 00 | 67 30 | 318 47      | 6355 60 | 285 66  | 263 37  | -233 26 | 456950 85 | 10 00   | 456950 85 | 638008 16 | N 32 15 21 04 W 104 1 13 29 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 6400 00 | 57 30 | 318 47      | 6309 17 | 213 86  | 197 18  | -174 63 | 456884 66 | 10 00   | 456884 66 | 638144 78 | N 32 15 20 39 W 104 1 12 61 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 6300 00 | 47 30 | 318 47      | 6248 09 | 95 13   | 87 71   | -178 68 | 456715 20 | 10 00   | 456715 20 | 638197 17 | N 32 15 19 80 W 104 1 12 00 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 6100 00 | 27 30 | 318 47      | 6089 79 | 51 80   | 47 76   | -42 30  | 456735 26 | 10 00   | 456735 26 | 638277 10 | N 32 15 18 90 W 104 1 11 07 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 6000 00 | 21 30 | 318 47      | 5997 39 | 21 04   | 19 40   | -17 18  | 456706 89 | 10 00   | 456706 89 | 638202 22 | N 32 15 18 62 W 104 1 10 78 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 5900 00 | 7 30  | 318 47      | 5899 80 | 3 77    | 3 47    | -3 08   | 456690 97 | 10 00   | 456690 97 | 638216 32 | N 32 15 18 47 W 104 1 10 61 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 6800 00 | 90 00 | 321 39      | 6400 00 | 525 52  | 484 75  | -426 84 | 457172 21 | 4 00    | 457172 21 | 637892 60 | N 32 15 23 24 W 104 1 15 53 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 6800 00 | 90 00 | 325 39      | 6400 00 | 611 40  | 565 00  | -486 47 | 457252 45 | 4 00    | 457252 45 | 637832 97 | N 32 15 24 04 W 104 1 16 22 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7000 00 | 90 00 | 329 39      | 6400 00 | 792 82  | 649 22  | -540 35 | 457336 87 | 4 00    | 457336 87 | 637773 22 | N 32 15 25 74 W 104 1 17 40 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7100 00 | 90 00 | 337 39      | 6400 00 | 887 47  | 827 89  | -629 86 | 457515 32 | 4 00    | 457515 32 | 637689 59 | N 32 15 26 64 W 104 1 17 89 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7200 00 | 90 00 | 357 39      | 6400 00 | 1381 44 | 1313 35 | -738 48 | 458000 74 | 4 00    | 458000 74 | 637590 88 | N 32 15 31 45 W 104 1 19 13 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 353 39      | 6400 00 | 1281 48 | 1213 69 | -730 44 | 457901 09 | 4 00    | 457901 09 | 637569 02 | N 32 15 30 46 W 104 1 18 04 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7600 00 | 90 00 | 345 39      | 6400 00 | 1181 82 | 1114 84 | -715 47 | 457802 25 | 4 00    | 457802 25 | 637602 99 | N 32 15 29 48 W 104 1 18 87 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7400 00 | 90 00 | 346 39      | 6400 00 | 1082 35 | 1017 27 | -693 64 | 457704 69 | 4 00    | 457704 69 | 637625 81 | N 32 15 28 52 W 104 1 18 62 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7300 00 | 90 00 | 341 39      | 6400 00 | 984 13  | 921 47  | -665 06 | 457608 89 | 4 00    | 457608 89 | 637654 39 | N 32 15 27 57 W 104 1 18 29 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 8100 00 | 90 00 | 360 00      | 6400 00 | 1779 51 | 1713 33 | -739 99 | 458400 69 | 0 00    | 458400 69 | 637579 47 | N 32 15 35 41 W 104 1 19 14 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 8000 00 | 90 00 | 360 00      | 6400 00 | 1680 03 | 1613 33 | -739 98 | 458300 69 | 0 00    | 458300 69 | 637579 48 | N 32 15 34 42 W 104 1 19 14 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7900 00 | 90 00 | 360 00      | 6400 00 | 1580 54 | 1513 33 | -739 98 | 458200 70 | 0 00    | 458200 70 | 637579 48 | N 32 15 33 43 W 104 1 19 14 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7800 00 | 90 00 | 360 00      | 6400 00 | 1481 05 | 1413 33 | -739 97 | 458100 71 | 0 00    | 458100 71 | 637579 49 | N 32 15 32 44 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7750 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 19 15 |
|                          |         |       |             |         |         |         |         |           |         |           |           |                             |
| EOC Land @ 90°           | 7700 00 | 90 00 | 360 00      | 6400 00 | 1446 45 | 1378 55 | -739 97 | 458065 93 | 4 00    | 458065 93 | 637579 49 | N 32 15 32 09 W 104 1 1     |

| Comments                                 | MD<br>(ft) | Incl<br>(°) | Azim Grd<br>(°) | TVD<br>(ft) | VSEC<br>(ft) | NS<br>(ft) | EW<br>(ft) | DLS<br>(°/100ft) | Northing<br>(ftUS) | Easting<br>(ftUS) | Latitude<br>(N/S ° ' ") | Longitude<br>(E/W ° ' ") |
|------------------------------------------|------------|-------------|-----------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|-------------------------|--------------------------|
|                                          | 13600 00   | 90 00       | 360 00          | 6400 00     | 7251 21      | 7213 33    | -740 26    | 0 00             | 463900 23          | 637579 20         | N 32 16 29 83           | W 104 1 18 96            |
| Devon Harroun<br>Trust 31-30 #4H<br>PBHL | 13651 87   | 90 00       | 360 00          | 6400 00     | 7302 81      | 7285 20    | -740 26    | 0 00             | 463952 10          | 637579 20         | N 32 16 30 34           | W 104 1 18 95            |

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 \*\*\* 3-D 95 000% Confidence 2 7955 sigma  
Survey Program:

| Description | MD From<br>(ft) | MD To<br>(ft) | EOU Freq<br>(ft) | Hole Size<br>(in) | Casing Diameter<br>(in) | Survey Tool Type       | Borehole / Survey                                         |
|-------------|-----------------|---------------|------------------|-------------------|-------------------------|------------------------|-----------------------------------------------------------|
|             | 0 000           | 25 000        | 1/100 000        | 30 000            | 30 000                  | SLB_MWD-STD-Depth Only | Original Borehole / Devon<br>Harroun Trust 31-30 #4H REV0 |
|             | 25 000          | 13651 871     | 1/100 000        | 30 000            | 30 000                  | SLB_MWD-STD            | Original Borehole / Devon<br>Harroun Trust 31-30 #4H REV0 |

# Devon Harroun Trust 31-30 #4H REV0 SEB 29-OCT-12 Anti-Collision Summary Report

Analysis Date-24hr Time  
Client  
Field:  
Structure  
Slot  
Well  
Borehole.

October 29, 2012 - 11 00  
Devon  
NM Eddy County (NAD 83)  
Devon Harroun Trust 31-30 #4H  
Devon Harroun Trust 31-30 #4H  
Devon Harroun Trust 31-30 #4H  
Original Borehole

Analysis Method:  
Reference Trajectory  
Depth Interval  
Rule Set  
Min Pts

3D Least Distance  
Devon Harroun Trust 31-30 #4H REV0 SEB 29-OCT-12 (Def Plan)  
Every 10 00 Measured Depth (ft)  
D&M AntiCollision Standard S002 v5 1/5 2  
All local minima indicated

## Offset Trajectories Summary

### Offset Selection Criteria

Wellhead distance scan  
Selection filters

Global within 54682 37 ft  
Definitive Surveys - Definitive Plans - Definitive surveys exclude definitive plans  
- All Non-Def Surveys when no Def-Survey is set in a borehole - All Non-Def Plans when no Def-Plan is set in a borehole

| Offset Trajectory                                                        | Separation |          |          | Allow<br>Dev (ft) | Sep<br>Fact. | Controlling<br>Rule | Reference Trajectory |          | Risk Level |          |       | Alert      | Status      |
|--------------------------------------------------------------------------|------------|----------|----------|-------------------|--------------|---------------------|----------------------|----------|------------|----------|-------|------------|-------------|
|                                                                          | Ct-Ct (ft) | MAS (ft) | EOU (ft) |                   |              |                     | MD (ft)              | TVD (ft) | Alert      | Minor    | Major |            |             |
| Devon Harroun Trust 31-30 #9H REV0 SB 28-OCT-12 (Def Plan)               |            |          |          |                   |              |                     |                      |          |            |          |       |            |             |
|                                                                          |            |          |          |                   |              |                     |                      |          |            |          |       | Fail Minor |             |
| 49 91                                                                    | 32 81      | 47 41    | 17 10    | N/A               |              | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |          |       |            | Surface     |
| 49 90                                                                    | 32 81      | 37 87    | 17 10    | 4 97              |              | MAS = 10 00 (m)     | 1580 00              | 1580 00  | OSF<5 00   |          |       |            | Enter Alert |
| 49 90                                                                    | 49 98      | 15 75    | -0 08    | 1 50              |              | OSF 1 50            | 5100 00              | 5100 00  |            | OSF<1 50 |       |            | Enter Minor |
| 49 90                                                                    | 56 84      | 11 18    | -8 93    | 1 31              |              | OSF 1 50            | 5827 04              | 5827 04  |            |          |       |            | MinPt-CtCt  |
| 49 91                                                                    | 56 86      | 11 17    | -8 95    | 1 31              |              | OSF 1 50            | 5830 00              | 5830 00  |            |          |       |            | MinPts      |
| 58 87                                                                    | 57 37      | 17 79    | -0 50    | 1 49              |              | OSF 1 50            | 5910 00              | 5909 71  |            | OSF>1 50 |       |            | Ext Minor   |
| 186 29                                                                   | 57 71      | 148 98   | 128 58   | 4 99              |              | OSF 1 50            | 8210 00              | 8182 12  | OSF>5 00   |          |       |            | Ext Alert   |
| 1314 39                                                                  | 90 13      | 1253 47  | 1224 28  | 22 48             |              | OSF 1 50            | 7640 00              | 8400 00  |            |          |       |            | MinPts      |
| 1320 29                                                                  | 338 82     | 1093 56  | 981 48   | 5 88              |              | OSF 1 50            | 13640 00             | 8400 00  |            |          |       |            | MinPts      |
| 1320 48                                                                  | 338 96     | 1093 68  | 981 52   | 5 88              |              | OSF 1 50            | 13651 87             | 8400 00  |            |          |       |            | MinPt-O-SF  |
| Chevron Sotial AV 26-2H P101<br>Gyro Off-8458ft MD (Def Survey)          |            |          |          |                   |              |                     |                      |          |            |          |       |            |             |
|                                                                          |            |          |          |                   |              |                     |                      |          |            |          |       | Pass       |             |
| 13618 27                                                                 | 32 81      | 13618 74 | 13586 48 | 452714 90         |              | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |          |       |            | MinPts      |
| 13618 07                                                                 | 32 81      | 13613 75 | 13585 26 | 7488 88           |              | MAS = 10 00 (m)     | 440 00               | 440 00   |            |          |       |            | MinPts      |
| 13618 36                                                                 | 32 81      | 13613 48 | 13585 58 | 5706 24           |              | MAS = 10 00 (m)     | 560 00               | 560 00   |            |          |       |            | MINPT-O-EQU |
| 13579 09                                                                 | 32 81      | 13560 58 | 13548 28 | 848 57            |              | MAS = 10 00 (m)     | 3540 00              | 3540 00  |            |          |       |            | MinPts      |
| 13579 78                                                                 | 32 81      | 13559 14 | 13548 95 | 749 09            |              | MAS = 10 00 (m)     | 4030 00              | 4030 00  |            |          |       |            | MINPT-O-EQU |
| 11786 64                                                                 | 181 37     | 11676 84 | 11617 27 | 99 33             |              | OSF 1 50            | 11590 00             | 8400 00  |            |          |       |            | MinPt-CtCt  |
| 11801 50                                                                 | 189 98     | 11673 80 | 11611 52 | 94 72             |              | OSF 1 50            | 11850 00             | 8400 00  |            |          |       |            | MINPT-O-EQU |
| 11805 08                                                                 | 194 28     | 11674 54 | 11610 82 | 92 60             |              | OSF 1 50            | 11980 00             | 8400 00  |            |          |       |            | MinPt-O-ADP |
| 11977 39                                                                 | 247 10     | 11611 82 | 11730 28 | 73 44             |              | OSF 1 50            | 13651 87             | 8400 00  |            |          |       |            | MinPt-O-SF  |
| Chevron Sotial AV 26-2H ST01<br>gyromd Off to 11060ft (Def Survey)       |            |          |          |                   |              |                     |                      |          |            |          |       |            |             |
|                                                                          |            |          |          |                   |              |                     |                      |          |            |          |       | Pass       |             |
| 13618 27                                                                 | 32 81      | 13618 74 | 13586 48 | 452714 90         |              | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |          |       |            | MinPts      |
| 13618 07                                                                 | 32 81      | 13613 75 | 13585 26 | 7488 88           |              | MAS = 10 00 (m)     | 440 00               | 440 00   |            |          |       |            | MinPts      |
| 13618 36                                                                 | 32 81      | 13613 48 | 13585 58 | 5706 24           |              | MAS = 10 00 (m)     | 560 00               | 560 00   |            |          |       |            | MINPT-O-EQU |
| 13579 09                                                                 | 32 81      | 13560 58 | 13548 28 | 848 57            |              | MAS = 10 00 (m)     | 3540 00              | 3540 00  |            |          |       |            | MinPts      |
| 13579 78                                                                 | 32 81      | 13559 14 | 13548 95 | 749 09            |              | MAS = 10 00 (m)     | 4030 00              | 4030 00  |            |          |       |            | MINPT-O-EQU |
| 11806 12                                                                 | 181 68     | 11685 95 | 11626 47 | 99 23             |              | OSF 1 50            | 11860 00             | 8400 00  |            |          |       |            | MinPt-CtCt  |
| 11810 92                                                                 | 190 26     | 11683 05 | 11620 88 | 94 64             |              | OSF 1 50            | 11880 00             | 8400 00  |            |          |       |            | MINPT-O-EQU |
| 11814 47                                                                 | 194 53     | 11683 78 | 11619 93 | 92 52             |              | OSF 1 50            | 11980 00             | 8400 00  |            |          |       |            | MinPt-O-ADP |
| 11897 84                                                                 | 234 83     | 11740 50 | 11683 21 | 76 85             |              | OSF 1 50            | 13210 00             | 8400 00  |            |          |       |            | MinPt-O-ADP |
| 11933 67                                                                 | 249 70     | 11786 31 | 11683 97 | 72 45             |              | OSF 1 50            | 13651 87             | 8400 00  |            |          |       |            | MinPt-O-SF  |
| Chevron Pardue FARMS 26-3<br>Gyros Off to 6059ft (Def Survey)            |            |          |          |                   |              |                     |                      |          |            |          |       |            |             |
|                                                                          |            |          |          |                   |              |                     |                      |          |            |          |       | Pass       |             |
| 15093 75                                                                 | 32 81      | 15091 17 | 15060 95 | 178806 57         |              | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |          |       |            | MinPts      |
| 11887 50                                                                 | 244 54     | 11703 25 | 11622 96 | 73 88             |              | OSF 1 50            | 13651 87             | 8400 00  |            |          |       |            | MinPts      |
| Chevron Pardue Farms 26-4 Gyros<br>Off to 6150ft (Def Survey)            |            |          |          |                   |              |                     |                      |          |            |          |       |            |             |
|                                                                          |            |          |          |                   |              |                     |                      |          |            |          |       | Pass       |             |
| 15895 73                                                                 | 32 81      | 15893 18 | 15862 92 | 343796 98         |              | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |          |       |            | MinPts      |
| 15848 89                                                                 | 32 81      | 15825 14 | 15813 88 | 831 88            |              | MAS = 10 00 (m)     | 3670 00              | 3670 00  |            |          |       |            | MinPts      |
| 15848 82                                                                 | 32 81      | 15824 63 | 15814 01 | 804 76            |              | MAS = 10 00 (m)     | 3850 00              | 3850 00  |            |          |       |            | MinPts      |
| 15847 01                                                                 | 32 81      | 15824 43 | 15814 20 | 788 90            |              | MAS = 10 00 (m)     | 3960 00              | 3960 00  |            |          |       |            | MINPT-O-EQU |
| 15847 28                                                                 | 32 95      | 15824 48 | 15814 33 | 780 43            |              | OSF 1 50            | 4020 00              | 4020 00  |            |          |       |            | MinPt-O-ADP |
| 15847 40                                                                 | 33 05      | 15824 53 | 15814 35 | 777 95            |              | OSF 1 50            | 4040 00              | 4040 00  |            |          |       |            | MinPt-O-SF  |
| 15847 68                                                                 | 33 84      | 15824 29 | 15813 84 | 758 34            |              | OSF 1 50            | 4210 00              | 4210 00  |            |          |       |            | MINPT-O-EQU |
| 15847 97                                                                 | 34 24      | 15824 31 | 15813 73 | 748 81            |              | OSF 1 50            | 4300 00              | 4300 00  |            |          |       |            | MinPt-O-ADP |
| 15849 08                                                                 | 36 96      | 15823 61 | 15812 12 | 689 87            |              | OSF 1 50            | 4880 00              | 4880 00  |            |          |       |            | MINPT-O-EQU |
| 15849 89                                                                 | 38 06      | 15823 68 | 15811 83 | 668 46            |              | OSF 1 50            | 5110 00              | 5110 00  |            |          |       |            | MINPT-O-EQU |
| 15850 44                                                                 | 38 73      | 15823 79 | 15811 71 | 656 16            |              | OSF 1 50            | 5230 00              | 5230 00  |            |          |       |            | MinPt-O-ADP |
| 11990 77                                                                 | 237 13     | 11831 18 | 11753 84 | 77 29             |              | OSF 1 50            | 13651 87             | 8400 00  |            |          |       |            | MinPts      |
| Chevron Pardue Farms 26-2<br>Inclination Only Off to 9777ft (Def Survey) |            |          |          |                   |              |                     |                      |          |            |          |       |            |             |
|                                                                          |            |          |          |                   |              |                     |                      |          |            |          |       | Pass       |             |
| 16637 64                                                                 | 32 81      | 16628 29 | 16604 83 | 2427 24           |              | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |          |       |            | Surface     |
| 12874 84                                                                 | 241 66     | 12712 26 | 12633 18 | 81 38             |              | OSF 1 50            | 13651 87             | 8400 00  |            |          |       |            | MinPts      |
| Chevron Pardue Farms AV 26-1H<br>Gyro-MWD Off to 9273ft (Def Survey)     |            |          |          |                   |              |                     |                      |          |            |          |       |            |             |
|                                                                          |            |          |          |                   |              |                     |                      |          |            |          |       | Pass       |             |
| 16149 99                                                                 | 95 65      | 16085 39 | 16054 34 | 280 02            |              | OSF 1 50            | 0 00                 | 0 00     |            |          |       |            | Surface     |
| 12973 59                                                                 | 215 84     | 12828 60 | 12757 75 | 91 53             |              | OSF 1 50            | 11810 00             | 8400 00  |            |          |       |            | MinPt-CtCt  |
| 12975 89                                                                 | 222 70     | 12826 38 | 12753 19 | 88 63             |              | OSF 1 50            | 12050 00             | 8400 00  |            |          |       |            | MINPT-O-EQU |
| 12976 70                                                                 | 223 84     | 12826 44 | 12752 88 | 88 16             |              | OSF 1 50            | 12080 00             | 8400 00  |            |          |       |            | MinPts      |
| 12979 34                                                                 | 218 75     | 12832 48 | 12760 58 | 90 24             |              | OSF 1 50            | 12200 00             | 8400 00  |            |          |       |            | MinPt-O-ADP |
| 13022 88                                                                 | 241 98     | 12860 69 | 12780 90 | 81 58             |              | OSF 1 50            | 13070 00             | 8400 00  |            |          |       |            | MinPt-O-SF  |
| 13068 08                                                                 | 258 73     | 12894 09 | 12809 35 | 77 08             |              | OSF 1 50            | 13651 87             | 8400 00  |            |          |       |            | MinPt-O-SF  |
| Chevron Sotial BC 26-1H Rev0<br>mnc 3-Apr-12 (Def Plan)                  |            |          |          |                   |              |                     |                      |          |            |          |       |            |             |
|                                                                          |            |          |          |                   |              |                     |                      |          |            |          |       | Pass       |             |
| 14842 07                                                                 | 32 81      | 14839 47 | 14809 26 | 149466 06         |              | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |          |       |            | Surface     |
| 13124 89                                                                 | 188 34     | 12998 23 | 12936 55 | 106 38            |              | OSF 1 50            | 11680 00             | 8400 00  |            |          |       |            | MinPt-CtCt  |
| 13127 80                                                                 | 197 35     | 12995 18 | 12930 45 | 101 39            |              | OSF 1 50            | 11960 00             | 8400 00  |            |          |       |            | MINPT-O-EQU |
| 13131 50                                                                 | 201 84     | 12995 90 | 12929 68 | 99 10             |              | OSF 1 50            | 12100 00             | 8400 00  |            |          |       |            | MinPt-O-ADP |
| 13271 70                                                                 | 250 33     | 13103 98 | 13021 37 | 80 31             |              | OSF 1 50            | 13651 87             | 8400 00  |            |          |       |            | MinPt-O-SF  |

| Offset Trajectory                                                         | Separation |          |          | Allow<br>Dev. (ft) | Sep.<br>Fact. | Controlling<br>Rule | Reference Trajectory |          | Risk Level |       |       | Alert       | Status |
|---------------------------------------------------------------------------|------------|----------|----------|--------------------|---------------|---------------------|----------------------|----------|------------|-------|-------|-------------|--------|
|                                                                           | CI-Ct (ft) | MAS (ft) | EOU (ft) |                    |               |                     | MD (ft)              | TVD (ft) | Alert      | Minor | Major |             |        |
| Chevron Pardee Farms AV 26-1H Gyro+ Inc. Only Off to 13100ft (Def Survey) |            |          |          |                    |               |                     |                      |          |            |       |       |             |        |
|                                                                           | 16261 52   | 32 81    | 16258 57 | 16228 71           | 35973 71      | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |       |       | Surface     | Pass   |
|                                                                           | 16188 92   | 43 21    | 16159 28 | 16145 71           | 596 58        | OSF 1 50            | 4780 00              | 4780 00  |            |       |       | MinPt-CtCt  |        |
|                                                                           | 16188 85   | 44 28    | 16158 49 | 16144 57           | 581 30        | OSF 1 50            | 4970 00              | 4970 00  |            |       |       | MinPt-CtCt  |        |
|                                                                           | 16188 97   | 44 80    | 16158 27 | 16144 17           | 574 10        | OSF 1 50            | 5070 00              | 5070 00  |            |       |       | MINPT-O-EOU |        |
|                                                                           | 13159 59   | 245 87   | 12994 40 | 12913 72           | 81 53         | OSF 1 50            | 13651 87             | 6400 00  |            |       |       | MnPts       |        |
| Survey-Chevron Heritage 2-15 #1H Gyro+MWD Off to 12352ft (Def Survey)     |            |          |          |                    |               |                     |                      |          |            |       |       |             |        |
|                                                                           | 23951 65   | 32 81    | 23942 71 | 23918 84           | 3718 71       | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |       |       | Surface     | Pass   |
|                                                                           | 23947 36   | 73 22    | 23897 71 | 23874 14           | 507 87        | OSF 1 50            | 870 00               | 870 00   |            |       |       | MinPt-CtCt  |        |
|                                                                           | 23948 63   | 82 56    | 23892 76 | 23866 07           | 448 63        | OSF 1 50            | 1240 00              | 1240 00  |            |       |       | MnPts       |        |
|                                                                           | 23911 54   | 194 03   | 23781 35 | 23717 51           | 187 28        | OSF 1 50            | 3690 00              | 3690 00  |            |       |       | MnPts       |        |
|                                                                           | 23911 54   | 193 79   | 23781 50 | 23717 74           | 187 51        | OSF 1 50            | 3710 00              | 3710 00  |            |       |       | MinPt-CtCt  |        |
|                                                                           | 19124 01   | 510 94   | 18781 34 | 18613 07           | 56 81         | OSF 1 50            | 13651 87             | 6400 00  |            |       |       | MnPts       |        |
| Chevron Heritage 2-15 #1H Gyro Off to 8448ft MD (Def Survey)              |            |          |          |                    |               |                     |                      |          |            |       |       |             |        |
|                                                                           | 23951 65   | 32 81    | 23942 71 | 23918 84           | 3716 71       | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |       |       | Surface     | Pass   |
|                                                                           | 23947 36   | 73 22    | 23897 71 | 23874 14           | 507 87        | OSF 1 50            | 870 00               | 870 00   |            |       |       | MinPt-CtCt  |        |
|                                                                           | 23948 63   | 82 56    | 23892 76 | 23866 07           | 448 63        | OSF 1 50            | 1240 00              | 1240 00  |            |       |       | MnPts       |        |
|                                                                           | 23911 54   | 194 03   | 23781 35 | 23717 51           | 187 28        | OSF 1 50            | 3690 00              | 3690 00  |            |       |       | MnPts       |        |
|                                                                           | 23911 54   | 193 79   | 23781 50 | 23717 74           | 187 51        | OSF 1 50            | 3710 00              | 3710 00  |            |       |       | MinPt-CtCt  |        |
|                                                                           | 19139 63   | 514 80   | 18794 36 | 18624 83           | 56 42         | OSF 1 50            | 13651 87             | 6400 00  |            |       |       | MnPts       |        |
| Chevron Nymeyer A-3 Offset Incination only Off to 6450ft (Def Survey)     |            |          |          |                    |               |                     |                      |          |            |       |       |             |        |
|                                                                           | 25207 44   | 32 81    | 25204 63 | 25174 63           | 82677 90      | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |       |       | Surface     | Pass   |
|                                                                           | 20196 80   | 1237 16  | 19369 87 | 18959 64           | 24 61         | OSF 1 50            | 13651 87             | 6400 00  |            |       |       | MnPts       |        |
|                                                                           |            |          |          |                    |               |                     |                      |          |            |       |       | MnPts       |        |
| Chevron Nymeyer 1 Offset Gyros Off to 9000ft (Def Survey)                 |            |          |          |                    |               |                     |                      |          |            |       |       |             |        |
|                                                                           | 25837 41   | 32 81    | 25834 73 | 25804 60           | 144685 80     | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |       |       | Surface     | Pass   |
|                                                                           | 20497 36   | 199 96   | 20361 79 | 20297 37           | 159 05        | OSF 1 50            | 13651 87             | 6400 00  |            |       |       | MnPts       |        |
| Chevron Heritage 2 15 #2H Rev1 MDT 10-OCT-12 (Def Plan)                   |            |          |          |                    |               |                     |                      |          |            |       |       |             |        |
|                                                                           | 25214 87   | 32 81    | 25212 25 | 25182 06           | 205028 12     | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |       |       | Surface     | Pass   |
|                                                                           | 20718 24   | 221 31   | 20568 74 | 20496 93           | 144 22        | OSF 1 50            | 13651 87             | 6400 00  |            |       |       | MnPts       |        |
| Chevron Nymeyer A-2 Offset Incination only Off to 6149ft (Def Survey)     |            |          |          |                    |               |                     |                      |          |            |       |       |             |        |
|                                                                           | 26095 00   | 32 81    | 26092 08 | 26062 19           | 63139 00      | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |       |       | Surface     | Pass   |
|                                                                           | 26110 09   | 61 93    | 26067 97 | 26048 16           | 658 99        | OSF 1 50            | 1310 00              | 1310 00  |            |       |       | MINPT-O-EOU |        |
|                                                                           | 20776 51   | 1079 63  | 20054 48 | 19696 86           | 29 04         | OSF 1 50            | 13651 87             | 6400 00  |            |       |       | MnPts       |        |
| Chevron Nymeyer A-1 Offset Incination Only Off to 6390ft (Def Survey)     |            |          |          |                    |               |                     |                      |          |            |       |       |             |        |
|                                                                           | 27024 80   | 32 81    | 27021 86 | 26991 99           | 61604 55      | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |       |       | Surface     | Pass   |
|                                                                           | 21576 41   | 833 76   | 21018 25 | 20742 65           | 39 13         | OSF 1 50            | 13651 87             | 6400 00  |            |       |       | MnPts       |        |
|                                                                           |            |          |          |                    |               |                     |                      |          |            |       |       | MnPts       |        |
| Cheasapeake PLU Big Series 26 Federal 1H Rev0 LDH 22-Sep-09 (Def Plan)    |            |          |          |                    |               |                     |                      |          |            |       |       |             |        |
|                                                                           | 39659 26   | 107 45   | 39585 92 | 39551 81           | 581 31        | OSF 1 50            | 0 00                 | 0 00     |            |       |       | Surface     | Pass   |
|                                                                           | 38934 25   | 114 11   | 38855 93 | 38820 14           | 543 83        | OSF 1 50            | 5860 00              | 5859 98  |            |       |       | MinPts      |        |
|                                                                           | 39134 11   | 114 81   | 39055 41 | 39019 30           | 541 80        | OSF 1 50            | 6350 00              | 6280 35  |            |       |       | MinPt-O-SF  |        |
|                                                                           | 45564 15   | 139 64   | 45470 22 | 45424 50           | 498 32        | OSF 1 50            | 13651 87             | 6400 00  |            |       |       | MinPt-O-SF  |        |
| Survey Oxy Devon 8 Feb 2H Gyro+MWD Off to 12121ft (Def Survey)            |            |          |          |                    |               |                     |                      |          |            |       |       |             |        |
|                                                                           | 48424 05   | 32 81    | 48420 82 | 48391 24           | 66205 88      | MAS = 10 00 (m)     | 0 00                 | 0 00     |            |       |       | Surface     | Pass   |
|                                                                           | 48422 92   | 32 81    | 48418 92 | 48390 11           | 32418 03      | MAS = 10 00 (m)     | 360 00               | 360 00   |            |       |       | MinPts      |        |
|                                                                           | 48406 66   | 32 81    | 48393 25 | 48373 85           | 4439 79       | MAS = 10 00 (m)     | 2240 00              | 2240 00  |            |       |       | MnPts       |        |
|                                                                           | 48407 12   | 32 81    | 48392 73 | 48374 31           | 4090 05       | MAS = 10 00 (m)     | 2470 00              | 2470 00  |            |       |       | MINPT-O-EOU |        |
|                                                                           | 48407 20   | 32 81    | 48392 82 | 48374 40           | 4074 19       | MAS = 10 00 (m)     | 2490 00              | 2490 00  |            |       |       | MinPt-O-SF  |        |
|                                                                           | 48406 65   | 32 81    | 48390 23 | 48373 87           | 3471 46       | MAS = 10 00 (m)     | 2980 00              | 2980 00  |            |       |       | MnPts       |        |
|                                                                           | 48407 69   | 32 81    | 48389 16 | 48374 88           | 3019 01       | MAS = 10 00 (m)     | 3530 00              | 3530 00  |            |       |       | MINPT-O-EOU |        |
|                                                                           | 48406 93   | 32 81    | 48388 66 | 48376 12           | 2724 77       | MAS = 10 00 (m)     | 3990 00              | 3990 00  |            |       |       | MINPT-O-EOU |        |
|                                                                           | 48415 22   | 34 90    | 48391 12 | 48380 32           | 2241 19       | OSF 1 50            | 4920 00              | 4920 00  |            |       |       | MinPt-O-ADP |        |
|                                                                           | 48420 46   | 39 68    | 48393 17 | 48380 78           | 1953 37       | OSF 1 50            | 5610 00              | 5610 00  |            |       |       | MinPt-O-ADP |        |
|                                                                           | 54394 37   | 143 52   | 54297 86 | 54250 85           | 578 56        | OSF 1 50            | 13651 87             | 6400 00  |            |       |       | MinPt-O-SF  |        |