

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87411
Phone: (505) 334-6178 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, NM 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 30-025-49999	Pool Code 97838	Pool Name Drawings; Upper Bone Spring, Skale
Property Code 317407	Property Name SD WE 15 FED P12	Well Number 311
GRID No 4323	Operator Name CHEVRON U.S.A. INC.	Elevation 3148'

* Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	15	26 SOUTH	32 EAST, N.M.P.M.		52'	SOUTH	1435'	WEST	L.F.A.

Bottom Hole Location If Different From Surface

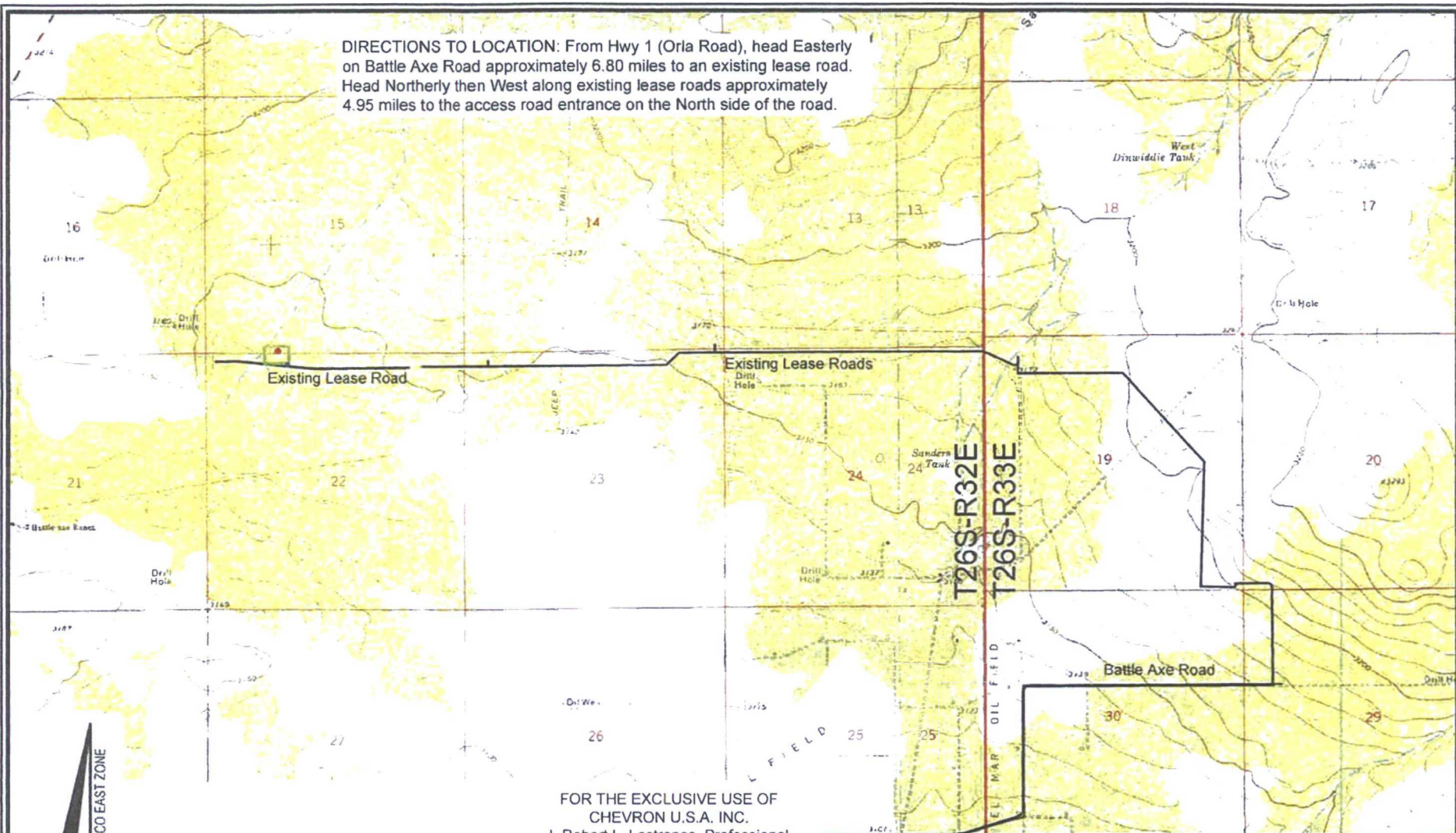
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	15	26 SOUTH	32 EAST, N.M.P.M.		180'	NORTH	1662'	WEST	L.F.A.

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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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.

Proposed Last Take Point 330' FNL 1662' FWL Proposed First Take Point 330' FSL, 1662' FWL N 38°56'55" E 359.89' 1435' 52' 180' 330' N 00°10'06" W 4,838.73' Proposed Producing Interval	PROPOSED BOTTOM HOLE LOCATION X= 706.913 NAD 27 Y= 382.433 LAT 32.049665 LONG 103.665506 X= 748.100 NAD83 Y= 382.490 LAT 32.049790 LONG 103.665977	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with the owner of such a mineral or working interest or a valid pooling agreement or a compulsory pooling order as required by the division. <i>Denise Pinkerton</i> 07/28/2016 Signature Date Denise Pinkerton Printed Name leakejd@chevron.com E-mail Address
	CORNER COORDINATES TABLE (NAD 27) A - Y=382610.42 X=706582.76 B - Y=382621.59 X=707915.08 C - Y=377261.58 X=706598.47 D - Y=377273.21 X=707930.44	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. 5-26-16 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor 23006 Certificate Number

DIRECTIONS TO LOCATION: From Hwy 1 (Orla Road), head Easterly on Battle Axe Road approximately 6.80 miles to an existing lease road. Head Northerly then West along existing lease roads approximately 4.95 miles to the access road entrance on the North side of the road.



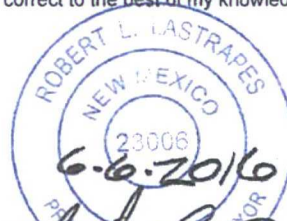
LEGEND

- Proposed Well
- Proposed Access Road
- Proposed Drillsite
- Existing Road
- Section Line

Scale: 1" = 3,000'

3,000' 0 1,500' 3,000'

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional
Surveyor, do hereby state this plat is true
and correct to the best of my knowledge.



Robert L. Lastrapes
Registration No. 23006

VICINITY MAP

CHEVRON U.S.A. INC.
SD WE 15 FED P12 NO. 3H WELL
LOCATED 52' FSL & 1435' FWL
SECTION 15, T26S-R32E
LEA COUNTY, NEW MEXICO

DRAWN BY: KJD

REVISIONS

PROJ. MGR.: VHV

No. 1

DATE: 06/01/2016

REVISED BY: BOR

DATE: JUNE 22, 2015

No.

DATE:

REVISED BY:

FILENAME: T:\2015\2152217\DWG\SD WE 15 Fed P12 3H_APD.dwg



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph 337-237-2200 Fax 337-232-3299
www.fenstermaker.com

R 32 E

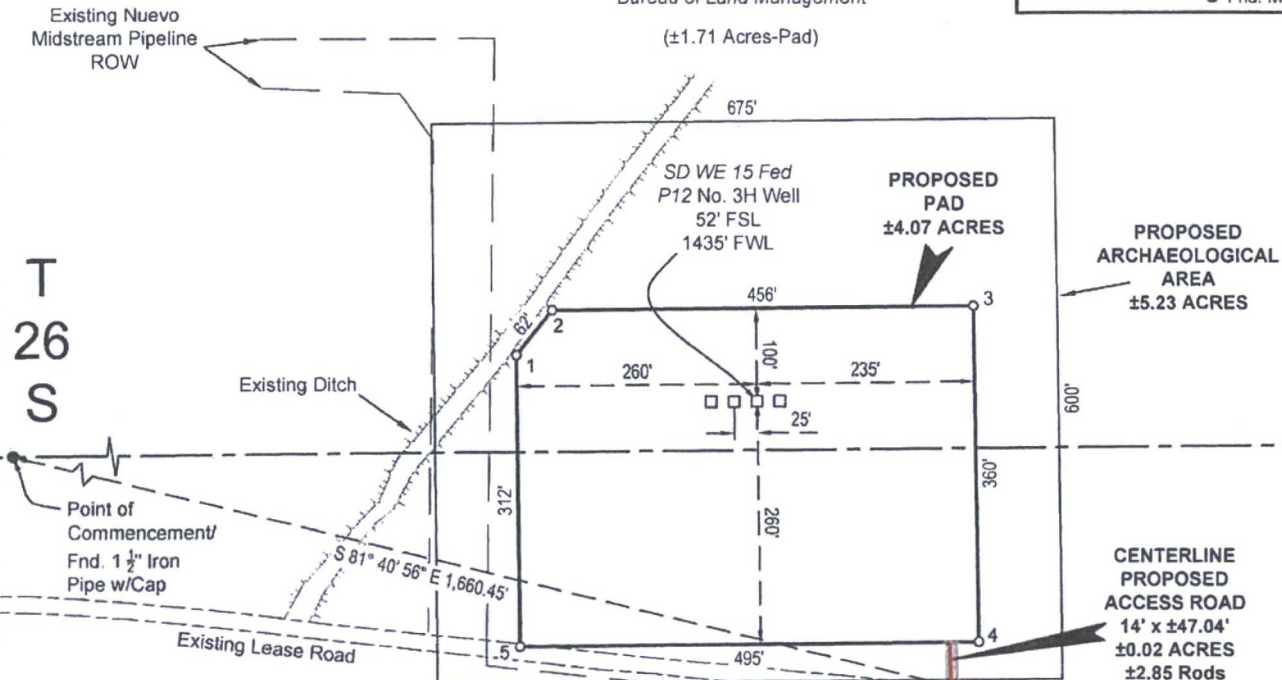
Sec. 15

Bureau of Land Management

(±1.71 Acres-Pad)

LEGEND

	Section Line
	Existing ROW
	Existing Ditch
	Existing Lease Road
	Centerline Access Road
	Fnd. Monument

T
26
S

Existing Ditch

Point of
Commencement/
Fnd. 1 1/2" Iron
Pipe w/Cap

Existing Lease Road

PROPOSED
PAD
±4.07 ACRESPROPOSED
ARCHAEOLOGICAL
AREA
±5.23 ACRESCENTERLINE
PROPOSED
ACCESS ROAD
14' x ±47.04'
±0.02 ACRES
±2.85 Rods

Sec. 22

Bureau of Land Management

(±2.36 Acres-Pad)

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional
Surveyor, do hereby state this plat is true
and correct to the best of my knowledge.

NW ARCH. AREA CORNER	NE ARCH. AREA CORNER
X= 706,349 NAD 27 Y= 377,611	X= 707,024 NAD 27 Y= 377,617
SE ARCH. AREA CORNER	SW ARCH. AREA CORNER
X= 707,030 NAD 27 Y= 377,017	X= 706,355 NAD 27 Y= 377,011
PAD CORNER 1	PAD CORNER 2
X= 706,441 NAD 27 Y= 377,364	X= 706,480 NAD 27 Y= 377,412
ELEVATION +3146' NAVD 88	ELEVATION +3146' NAVD 88
PAD CORNER 3	PAD CORNER 4
X= 706,935 NAD 27 Y= 377,417	X= 706,939 NAD 27 Y= 377,057
ELEVATION +3148' NAVD 88	ELEVATION +3146' NAVD 88
PAD CORNER 5	
X= 706,444 NAD 27 Y= 377,052	
ELEVATION +3144' NAVD 88	

SD WE 15 FED P12 NO. 3H WELL
X= 706,701 NAD 27 Y= 377,315 LAT. 32.035598 LONG. 103.666292
X= 747,888 NAD83 Y= 377,372 LAT. 32.035723 LONG. 103.666763
ELEVATION +3148' NAVD 88



Robert L. Lastrapes
Registration No. 23006

Scale: 1" = 200'

SURFACE USE PLAT

200' 0 100' 200'

CHEVRON U.S.A. INC.
PROPOSED PAD & ACCESS ROAD
SD WE 15 FED P12 NO. 3H WELL
SECTIONS 15 & 22, T26S-R32E
LEA COUNTY, NEW MEXICO

PAGE 1 OF 2



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph 337-237-2200 Fax 337-232-3299
www.fenstermaker.com

DRAWN BY: KJD

REVISIONS

PROJ. MGR.: VHV

No. 1

DATE: 06/01/2016

REVISED BY: BOR

DATE: JUNE 22, 2015

No.

DATE:

REVISED BY:

FILENAME: T:\2015\2152217\DWG\SD WE 15 Fed P12 3H_SUP.dwg

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

NOTE:

Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc. may exist undetected on site.

NOTE:

Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance, New Mexico One Call. www.nmonecall.org

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.

I, Robert L. Lastrapes, Professional
Surveyor, do hereby state this plat is true
and correct to the best of my knowledge.



Robert L. Lastrapes
Registration No. 23006

SURFACE USE PLAT

CHEVRON U.S.A. INC.
PROPOSED PAD & ACCESS ROAD
SD WE 15 FED P12 NO. 3H WELL
SECTIONS 15 & 22, T26S-R32E
LEA COUNTY, NEW MEXICO

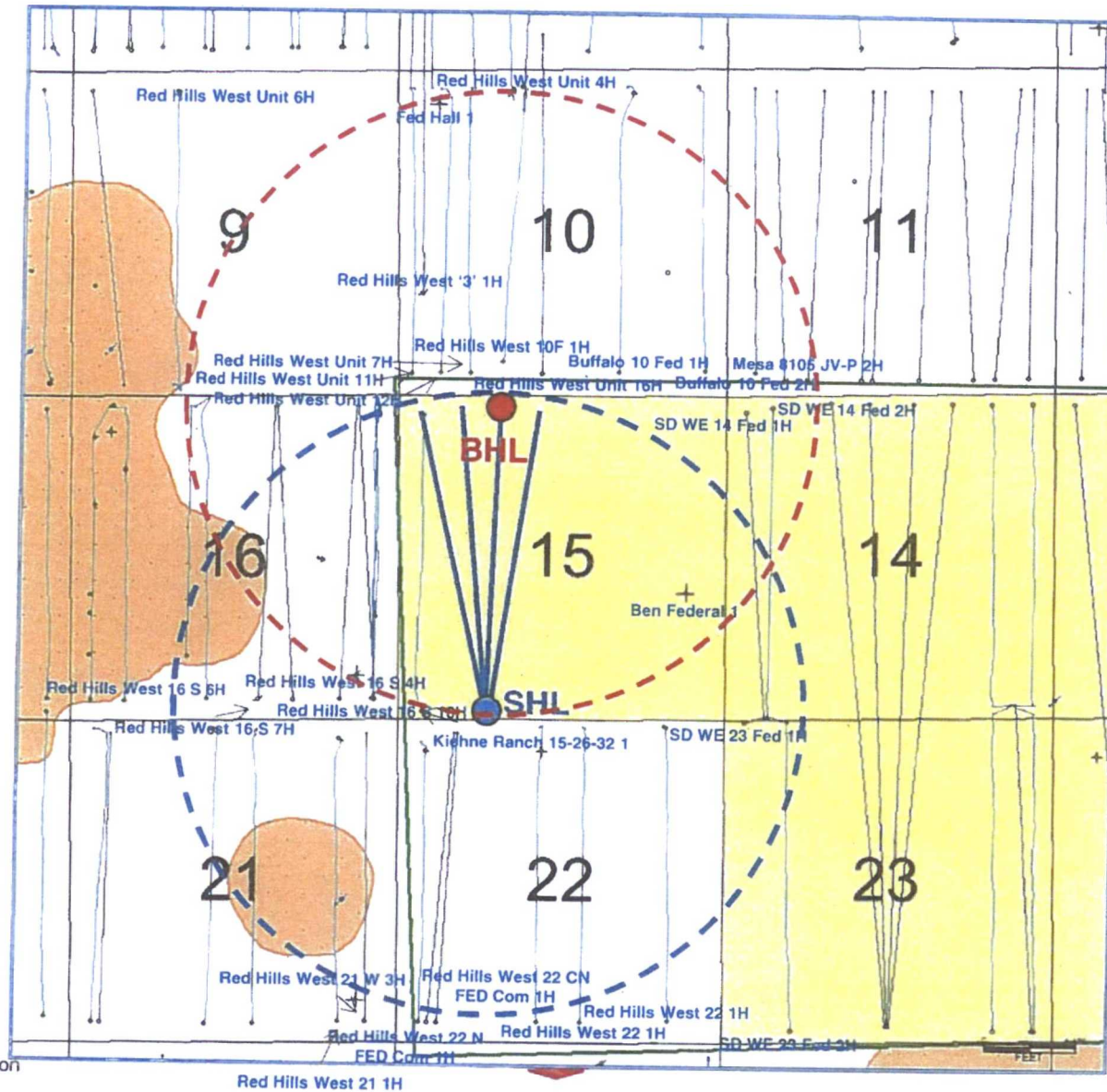
PAGE 2 OF 2



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq Lafayette, LA 70508
Ph 337-237-2200 Fax 337-232-3299
www.fenstermaker.com

DRAWN BY: KJD		REVISIONS	
PROJ. MGR.: VHV	No. 1	DATE: 06/01/2016	REVISED BY: BOR
DATE: JUNE 22, 2015	No.	DATE:	REVISED BY:
FILENAME: T:\2015\2152217\DWG\SD WE 15 Fed P12 3H_SUP.dwg			

SD WE 15 Fed P12 3H – Surface & Bottom Hole Location
 TWN 26S RNG 32E SEC 15
 1 Mile Radius



R 32 E

Sec. 15

Bureau of Land Management

Sec. 14

Bureau of Land Management

T
26
S

Proposed Pad 12 Flowline Cluster
±8914'
Proposed Pad 12 Temporary Water Line
±10,541'

Proposed Pad 9 Flowline Cluster
±4,889'
Proposed Pad 9 Temporary Water Line
±8,076'

Proposed 60' Wide
PL ROW

Existing
Battery
Pad

Existing
Compressor
Pad

Selected Drive
SHW 13-8H
Pad

Pad 7

Proposed Expansion

Existing Lease Road

Proposed
Fire
Road

Proposed
60' Wide
PL ROW

Existing Fence

Pad 12

Proposed 60' Wide PL ROW
(Pad 9 to Pad 12)

Pad 8

Proposed
Access
Road

Proposed
Access
Road

Existing Red
Hills 1H Pad

Sec. 22

Bureau of Land Management

Sec. 23

Bureau of Land Management

Sec. 24

Bureau of Land Management

NAD 27 NEW MEXICO EAST ZONE



Scale: 1" = 1000'

1000' 0 500' 1000'



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

CHEVRON U.S.A. INC.

WORK AREA DETAIL FOR THE
SD WE 15 FED P9 & P12 1H-8H WELLS
SECTIONS 15, 22, 23 & 24, T26S-R32E
LEA COUNTY, NEW MEXICO

DRAWN BY: VHV

REVISIONS

PROJ. MGR.: VHV

No. #

DATE:

REVISED BY:

DATE: JULY 26, 2016

No. #

DATE:

REVISED BY:

FILENAME: T:\2015\2152215\DWG\Pad 9_Pad 12_AerialDetail.dwg



Planned Wellpath Report

SD WE 15 Fed P12 No. 3H (PWP) Prelim 2
Page 2 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD WE 15 Fed P12 No. 3H
Area	Lea County, NM	Well	SD WE 15 Fed P12 No. 3H
Field	Jennings; Upper Bone Spring (Lea County, NM)	Wellbore	SD WE 15 Fed P12 No. 3H (PWB)
Facility	SD WE 15 Fed P12		

WELLPATH DATA (149 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Comments
0.00†	0.000	77.437	0.00	0.00	0.00	0.00	706701.00	377315.00	32°02'08.156"N	103°39'58.656"W	0.00	0.000	0.00	
32.60	0.000	77.437	32.60	0.00	0.00	0.00	706701.00	377315.00	32°02'08.156"N	103°39'58.656"W	0.00	0.000	0.00	Tie On
132.60†	0.000	77.437	132.60	0.00	0.00	0.00	706701.00	377315.00	32°02'08.156"N	103°39'58.656"W	0.00	0.000	0.00	
232.60†	0.000	77.437	232.60	0.00	0.00	0.00	706701.00	377315.00	32°02'08.156"N	103°39'58.656"W	0.00	0.000	0.00	
332.60†	0.000	77.437	332.60	0.00	0.00	0.00	706701.00	377315.00	32°02'08.156"N	103°39'58.656"W	0.00	0.000	0.00	
432.60†	0.000	77.437	432.60	0.00	0.00	0.00	706701.00	377315.00	32°02'08.156"N	103°39'58.656"W	0.00	0.000	0.00	
532.60†	0.000	77.437	532.60	0.00	0.00	0.00	706701.00	377315.00	32°02'08.156"N	103°39'58.656"W	0.00	0.000	0.00	
632.60†	0.000	77.437	632.60	0.00	0.00	0.00	706701.00	377315.00	32°02'08.156"N	103°39'58.656"W	0.00	0.000	0.00	
732.60†	0.000	77.437	732.60	0.00	0.00	0.00	706701.00	377315.00	32°02'08.156"N	103°39'58.656"W	0.00	0.000	0.00	
832.60†	0.000	77.437	832.60	0.00	0.00	0.00	706701.00	377315.00	32°02'08.156"N	103°39'58.656"W	0.00	0.000	0.00	
932.60†	0.000	77.437	932.60	0.00	0.00	0.00	706701.00	377315.00	32°02'08.156"N	103°39'58.656"W	0.00	0.000	0.00	
1000.00	0.000	77.437	1000.00	0.00	0.00	0.00	706701.00	377315.00	32°02'08.156"N	103°39'58.656"W	0.00	0.000	0.00	Start Nudge
1032.60†	0.326	77.437	1032.60	0.02	0.02	0.09	706701.09	377315.02	32°02'08.156"N	103°39'58.655"W	0.09	77.437	1.00	
1132.60†	1.326	77.437	1132.59	0.33	0.33	1.50	706702.50	377315.33	32°02'08.159"N	103°39'58.638"W	1.53	77.437	1.00	
1232.60†	2.326	77.437	1232.54	1.01	1.03	4.61	706705.61	377316.03	32°02'08.166"N	103°39'58.602"W	4.72	77.437	1.00	
1332.60†	3.326	77.437	1332.41	2.07	2.10	9.42	706710.42	377317.10	32°02'08.176"N	103°39'58.546"W	9.65	77.437	1.00	
1432.60†	4.326	77.437	1432.19	3.50	3.55	15.93	706716.93	377318.55	32°02'08.190"N	103°39'58.470"W	16.32	77.437	1.00	
1532.60†	5.326	77.437	1531.83	5.31	5.38	24.14	706725.14	377320.38	32°02'08.208"N	103°39'58.375"W	24.74	77.437	1.00	
1632.60†	6.326	77.437	1631.32	7.49	7.59	34.05	706735.05	377322.59	32°02'08.229"N	103°39'58.260"W	34.89	77.437	1.00	
1732.60†	7.326	77.437	1730.61	10.04	10.17	45.65	706746.65	377325.17	32°02'08.254"N	103°39'58.125"W	46.77	77.437	1.00	
1832.60†	8.326	77.437	1829.67	12.96	13.14	58.94	706759.94	377328.13	32°02'08.283"N	103°39'57.970"W	60.39	77.437	1.00	
1900.00	9.000	77.437	1896.30	15.14	15.34	68.85	706769.85	377330.34	32°02'08.304"N	103°39'57.855"W	70.54	77.437	1.00	EOB/SOH
1932.60†	9.000	77.437	1928.50	16.24	16.45	73.83	706774.83	377331.45	32°02'08.314"N	103°39'57.797"W	75.64	77.437	0.00	
2032.60†	9.000	77.437	2027.27	19.59	19.86	89.10	706790.09	377334.85	32°02'08.347"N	103°39'57.619"W	91.28	77.437	0.00	
2132.60†	9.000	77.437	2126.04	22.95	23.26	104.37	706805.36	377338.26	32°02'08.380"N	103°39'57.442"W	106.93	77.437	0.00	
2232.60†	9.000	77.437	2224.81	26.31	26.66	119.64	706820.63	377341.66	32°02'08.413"N	103°39'57.264"W	122.57	77.437	0.00	
2332.60†	9.000	77.437	2323.58	29.67	30.06	134.91	706835.90	377345.06	32°02'08.445"N	103°39'57.087"W	138.21	77.437	0.00	
2432.60†	9.000	77.437	2422.35	33.02	33.47	150.17	706851.17	377348.46	32°02'08.478"N	103°39'56.909"W	153.86	77.437	0.00	
2484.16	9.000	77.437	2473.27	34.76	35.22	158.05	706859.04	377350.22	32°02'08.495"N	103°39'56.817"W	161.92	77.437	0.00	EOH/SOD
2532.60†	8.516	77.437	2521.15	36.34	36.82	165.25	706866.24	377351.82	32°02'08.510"N	103°39'56.734"W	169.30	77.437	1.00	



Planned Wellpath Report

SD WE 15 Fed P12 No. 3H (PWP) Prelim 2
Page 3 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD WE 15 Fed P12 No. 3H
Area	Lea County, NM	Well	SD WE 15 Fed P12 No. 3H
Field	Jennings; Upper Bone Spring (Lea County, NM)	Wellbore	SD WE 15 Fed P12 No. 3H (PWB)
Facility	SD WE 15 Fed P12		

WELLPATH DATA (149 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Comments
2632.60†	7.516	77.437	2620.17	39.33	39.86	178.86	706879.85	377354.86	32°02'08.540"N	103°39'56.575"W	183.24	77.437	1.00	
2732.60†	6.516	77.437	2719.42	41.95	42.51	190.78	706891.77	377357.51	32°02'08.565"N	103°39'56.437"W	195.46	77.437	1.00	
2832.60†	5.516	77.437	2818.87	44.20	44.79	201.01	706902.00	377359.79	32°02'08.587"N	103°39'56.318"W	205.94	77.437	1.00	
2932.60†	4.516	77.437	2918.48	46.08	46.69	209.54	706910.53	377361.69	32°02'08.605"N	103°39'56.218"W	214.68	77.437	1.00	
3032.60†	3.516	77.437	3018.24	47.58	48.22	216.37	706917.36	377363.22	32°02'08.620"N	103°39'56.139"W	221.68	77.437	1.00	
3132.60†	2.516	77.437	3118.10	48.71	49.36	221.51	706922.50	377364.36	32°02'08.631"N	103°39'56.079"W	226.94	77.437	1.00	
3232.60†	1.516	77.437	3218.03	49.47	50.13	224.94	706925.93	377365.12	32°02'08.638"N	103°39'56.039"W	230.46	77.437	1.00	
3332.60†	0.516	77.437	3318.02	49.85	50.51	226.67	706927.66	377365.51	32°02'08.642"N	103°39'56.019"W	232.23	77.437	1.00	
3384.16	0.000	359.832	3369.57	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	1.00	Drop to Zero
3432.60†	0.000	359.832	3418.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
3532.60†	0.000	359.832	3518.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
3632.60†	0.000	359.832	3618.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
3732.60†	0.000	359.832	3718.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
3832.60†	0.000	359.832	3818.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
3932.60†	0.000	359.832	3918.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
4032.60†	0.000	359.832	4018.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
4132.60†	0.000	359.832	4118.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
4232.60†	0.000	359.832	4218.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
4332.60†	0.000	359.832	4318.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
4432.60†	0.000	359.832	4418.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
4532.60†	0.000	359.832	4518.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
4632.60†	0.000	359.832	4618.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
4732.60†	0.000	359.832	4718.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
4832.60†	0.000	359.832	4818.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
4932.60†	0.000	359.832	4918.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
5032.60†	0.000	359.832	5018.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
5132.60†	0.000	359.832	5118.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
5232.60†	0.000	359.832	5218.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
5332.60†	0.000	359.832	5318.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
5432.60†	0.000	359.832	5418.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	



Planned Wellpath Report

SD WE 15 Fed P12 No. 3H (PWP) Prelim 2

Page 4 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD WE 15 Fed P12 No. 3H
Area	Lea County, NM	Well	SD WE 15 Fed P12 No. 3H
Field	Jennings; Upper Bone Spring (Lea County, NM)	Wellbore	SD WE 15 Fed P12 No. 3H (PWB)
Facility	SD WE 15 Fed P12		

WELLPATH DATA (149 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Comments
5532.60†	0.000	359.832	5518.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
5632.60†	0.000	359.832	5618.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
5732.60†	0.000	359.832	5718.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
5832.60†	0.000	359.832	5818.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
5932.60†	0.000	359.832	5918.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
6032.60†	0.000	359.832	6018.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
6132.60†	0.000	359.832	6118.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
6232.60†	0.000	359.832	6218.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
6332.60†	0.000	359.832	6318.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
6432.60†	0.000	359.832	6418.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
6532.60†	0.000	359.832	6518.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
6632.60†	0.000	359.832	6618.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
6732.60†	0.000	359.832	6718.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
6832.60†	0.000	359.832	6818.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
6932.60†	0.000	359.832	6918.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
7032.60†	0.000	359.832	7018.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
7132.60†	0.000	359.832	7118.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
7232.60†	0.000	359.832	7218.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
7332.60†	0.000	359.832	7318.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
7432.60†	0.000	359.832	7418.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
7532.60†	0.000	359.832	7518.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
7632.60†	0.000	359.832	7618.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
7732.60†	0.000	359.832	7718.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
7832.60†	0.000	359.832	7818.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
7932.60†	0.000	359.832	7918.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
8032.60†	0.000	359.832	8018.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
8132.60†	0.000	359.832	8118.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
8232.60†	0.000	359.832	8218.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
8332.60†	0.000	359.832	8318.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
8432.60†	0.000	359.832	8418.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	



Planned Wellpath Report

SD WE 15 Fed P12 No. 3H (PWP) Prelim 2
Page 5 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD WE 15 Fed P12 No. 3H
Area	Lea County, NM	Well	SD WE 15 Fed P12 No. 3H
Field	Jennings; Upper Bone Spring (Lea County, NM)	Wellbore	SD WE 15 Fed P12 No. 3H (PWB)
Facility	SD WE 15 Fed P12		

WELLPATH DATA (149 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Comments
8532.60†	0.000	359.832	8518.01	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	
8563.29	0.000	359.832	8548.71	49.90	50.56	226.90	706927.89	377365.56	32°02'08.643"N	103°39'56.016"W	232.46	77.437	0.00	KOP: 100' FSL, 1662' FWL
8632.60†	8.317	359.832	8617.77	54.92	55.58	226.88	706927.87	377370.58	32°02'08.692"N	103°39'56.016"W	233.59	76.234	12.00	
8732.60†	20.317	359.832	8714.49	79.60	80.27	226.81	706927.80	377395.26	32°02'08.937"N	103°39'56.015"W	240.60	70.511	12.00	
8832.60†	32.317	359.832	8803.96	123.85	124.52	226.68	706927.67	377439.51	32°02'09.374"N	103°39'56.014"W	258.63	61.219	12.00	
8932.60†	44.317	359.832	8882.28	185.74	186.41	226.50	706927.49	377501.40	32°02'09.987"N	103°39'56.011"W	293.34	50.546	12.00	
9032.60†	56.317	359.832	8946.01	262.56	263.22	226.27	706927.26	377578.21	32°02'10.747"N	103°39'56.008"W	347.11	40.683	12.00	
9054.00†	58.885	359.832	8957.48	280.63	281.29	226.22	706927.21	377596.28	32°02'10.926"N	103°39'56.008"W	360.97	38.807	12.00	FTP: 9052' MD 330' FSL, 1662' FWL, 280' VS
9132.60†	68.317	359.832	8992.39	350.95	351.62	226.01	706927.00	377666.60	32°02'11.622"N	103°39'56.005"W	417.99	32.732	12.00	
9232.60†	80.317	359.832	9019.37	447.05	447.72	225.73	706926.72	377762.70	32°02'12.573"N	103°39'56.001"W	501.40	26.756	12.00	
9311.54	89.790	359.832	9026.17	525.61	526.28	225.50	706926.49	377841.25	32°02'13.350"N	103°39'55.998"W	572.55	23.194	12.00	LP: 577' FSL, 1662' FWL
9332.60†	89.790	359.832	9026.25	546.67	547.33	225.44	706926.43	377862.31	32°02'13.559"N	103°39'55.998"W	591.94	22.386	0.00	
9432.60†	89.790	359.832	9026.61	646.67	647.33	225.14	706926.13	377962.30	32°02'14.548"N	103°39'55.994"W	685.37	19.178	0.00	
9532.60†	89.790	359.832	9026.98	746.67	747.33	224.85	706925.84	378062.30	32°02'15.538"N	103°39'55.990"W	780.42	16.745	0.00	
9632.60†	89.790	359.832	9027.35	846.67	847.33	224.56	706925.55	378162.29	32°02'16.527"N	103°39'55.986"W	876.58	14.843	0.00	
9732.60†	89.790	359.832	9027.71	946.67	947.33	224.26	706925.25	378262.29	32°02'17.517"N	103°39'55.983"W	973.51	13.319	0.00	
9832.60†	89.790	359.832	9028.08	1046.67	1047.33	223.97	706924.96	378362.28	32°02'18.506"N	103°39'55.979"W	1071.01	12.071	0.00	
9932.60†	89.790	359.832	9028.45	1146.67	1147.33	223.68	706924.67	378462.28	32°02'19.496"N	103°39'55.975"W	1168.93	11.032	0.00	
10032.60†	89.790	359.832	9028.81	1246.66	1247.32	223.38	706924.37	378562.27	32°02'20.485"N	103°39'55.971"W	1267.17	10.153	0.00	
10132.60†	89.790	359.832	9029.18	1346.66	1347.32	223.09	706924.08	378662.26	32°02'21.475"N	103°39'55.968"W	1365.67	9.402	0.00	
10232.60†	89.790	359.832	9029.55	1446.66	1447.32	222.79	706923.78	378762.26	32°02'22.465"N	103°39'55.964"W	1464.37	8.751	0.00	
10332.60†	89.790	359.832	9029.91	1546.66	1547.32	222.50	706923.49	378862.25	32°02'23.454"N	103°39'55.960"W	1563.24	8.183	0.00	
10432.60†	89.790	359.832	9030.28	1646.66	1647.32	222.21	706923.20	378962.25	32°02'24.444"N	103°39'55.956"W	1662.24	7.682	0.00	
10532.60†	89.790	359.832	9030.64	1746.66	1747.32	221.91	706922.90	379062.24	32°02'25.433"N	103°39'55.952"W	1761.35	7.238	0.00	
10632.60†	89.790	359.832	9031.01	1846.66	1847.32	221.62	706922.61	379162.24	32°02'26.423"N	103°39'55.949"W	1860.56	6.841	0.00	
10732.60†	89.790	359.832	9031.38	1946.66	1947.32	221.33	706922.32	379262.23	32°02'27.412"N	103°39'55.945"W	1959.85	6.484	0.00	
10832.60†	89.790	359.832	9031.74	2046.66	2047.32	221.03	706922.02	379362.23	32°02'28.402"N	103°39'55.941"W	2059.21	6.162	0.00	
10932.60†	89.790	359.832	9032.11	2146.66	2147.31	220.74	706921.73	379462.22	32°02'29.392"N	103°39'55.937"W	2158.63	5.869	0.00	
11032.60†	89.790	359.832	9032.48	2246.66	2247.31	220.44	706921.43	379562.22	32°02'30.381"N	103°39'55.934"W	2258.10	5.602	0.00	
11132.60†	89.790	359.832	9032.84	2346.66	2347.31	220.15	706921.14	379662.21	32°02'31.371"N	103°39'55.930"W	2357.61	5.358	0.00	

HOLE & CASING SECTIONS - Ref Wellbore: SD WE 15 Fed P12 No. 3H (PWB) Ref Wellpath: SD WE 15 Fed P12 No. 3H (PWP) Prelim 2									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
17.5in Open Hole	32.60	800.00	767.40	32.60	800.00	0.00	0.00	0.00	0.00
13.375in Casing Surface	32.60	800.00	767.40	32.60	800.00	0.00	0.00	0.00	0.00
12.25in Open Hole	800.00	4600.00	3800.00	800.00	4585.41	0.00	0.00	50.56	226.90
9.625in Casing Intermediate	32.60	4600.00	4567.40	32.60	4585.41	0.00	0.00	50.56	226.90
8.5in Open Hole	4600.00	13903.54	9303.54	4585.41	9043.00	50.56	226.90	5118.23	212.01

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) SD WE 15 Fed P12 No. 3H BHL	13903.54	9043.00	5118.23	212.01	706913.00	382433.00	32°02'58.791"N	103°39'55.825"W	rectangle

SURVEY PROGRAM - Ref Wellbore: SD WE 15 Fed P12 No. 3H (PWB) Ref Wellpath: SD WE 15 Fed P12 No. 3H (PWP) Prelim 2				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
32.60	800.00	ISCWSA MWD, Rev. 4 (Standard)		SD WE 15 Fed P12 No. 3H (PWB)
800.00	4600.00	ISCWSA MWD, Rev. 4 (Standard)		SD WE 15 Fed P12 No. 3H (PWB)
4600.00	13904.09	BHI AutoTrak Curve (Short)		SD WE 15 Fed P12 No. 3H (PWB)

[illegible]