

10-25-2005	11-14-05	ENGINEER MS	LOGGED IN m.s.	NSL (BHL)	PMESD-532731583
DATE IN	SUSPENSE			TYPE	APP NO.

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☒ Offset Operators, Leaseholders or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

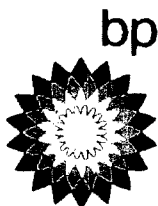
Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Cherry Hlava
Print or Type Name

Cherry Hlava
Signature

Regulatory Analyst 10/20/2005
Title Date
hlavacl@bp.com
e-mail Address

2005 OCT 25 PM 12 31



San Juan South Asset

Cherry Hlava
WL1-19.178
281-366-4081 (direct)
281-366-0700 (FAX)
hlavaci@bp.com

P. O. Box 3092
Houston, Texas 77253-3092
501 Westlake Park Boulevard
Houston, Texas 77079

October 20, 2005

Mr. Michael Stogner
New Mexico Oil Conservation Division
1220 South St Francis Drive
Santa Fe, NM 87505

Application for Non-Standard Well Location
Vandewart B 3S
W/2 Section 11-T29N-R08W
Basin Fruitland Coal
San Juan County, New Mexico

BP America Production Company respectfully requests an administrative approval for a non-standard well location.

The directionally drilled Vandewart B 3S was drilled at a legal surface location of 900' FSL and 1920' FWL and a legal terminus of 675' FNL & 740' FWL and is producing from Basin Fruitland Coal perforations inside the drilling window.

When the well was being drilled the drillers overcompensated while drilling around the wellbores of the Vandewart A LS 2R & the Vandewart A LS 2. (see attached plat) The overcompensation put a portion of the wellbore outside the 660' drilling window.

It is now BP intent to come up hole and add perforations in the same Basin Fruitland Coal reservoir. The new perms would be added to the portion of the wellbore that is approximately 60' or less outside the drilling window.

To aid in your review attached is a C-102, Perforation Location Plat, 9 Section Plat and the Inclination Survey. The top of the Basin Fruitland Coal is 3119' MD and 2781' TVD. Proposed perms will be between 3119' and 3700'.

Your attention to this matter is greatly appreciated. Should you have any questions concerning this application please do not hesitate to call me at 281-366-4081.

Sincerely,

A handwritten signature in cursive script that reads "Cherry Hlava".

Cherry Hlava

cc: Charlie Perrin, Supervisor
NMOCD District III
1000 Rio Brazos Road
Aztec, NM 87410

08 21 11 25 100 5002

I hereby certify that the following offset owners/operators have been notified (10/24/05) by certified mail of our application for administrative approval for non-standard well location of the above well.

Burlington Resources
Attn: David Valdez
P.O. Box 4289
Farmington, NM 87499-4289

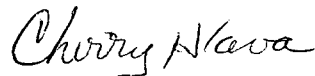
ConcoPhillips
Attn: Jane Strickland
600 Dairy Ashford WL-3
Houston, TX 77079-1175

Southland Royalty Company
801 Cherry St.
Fort Worth, TX 76102

Lively Exploration
2450 Fondren, Ste., 260
Houston, TX 77063

Energen Resources Corp
Attn: Rich Corcoran
2198 Bloomfield Hwy
Farmington, NM 87401

Kukui, Inc.
1415 Louisiana, Ste. 3650
Houston, Tx 77002



Cherry Hlava
BP America
Regulatory Analyst
281-366-4081

District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

Form C-102

Revised August 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32295	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 001204	⁵ Property Name Vandewart B	⁶ Well Number 3S
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation

¹⁰ Surface Location

UL or lot no. Unit N	Section 11	Township 29N	Range 08W	Lot Idn	Feet from 900'	North/South South	Feet from 1920'	East/West West	County San Juan
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. Unit N D	Section 11	Township 29N	Range 08W	Lot Idn	Feet from 675	North/South North	Feet 740	East/West West	County San Juan
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¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Cherry Hlava</i> Signature Cherry Hlava Printed Name Regulatory Analyst Title 10/19/2005 Date
	¹⁸ 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.
	Date of Survey Signature and Seal of Professional Surveyor:
	Certificate Number

Basin Fruitland Coal Bas Pool
in 1992.

Standard 670-acre Section



Vanderwart B #3S

Highly deviated Fruitland coal

Development well

11-29N-8W

POSTED WELL DATA

Well Label
PdCum - FMNAME
PdCum - CUMGAS
WELL - DRILLINGFLUID[JMP]

WELL SYMBOLS
airway: new well/loc

Gas Well

ry Hole

up 2003 wells

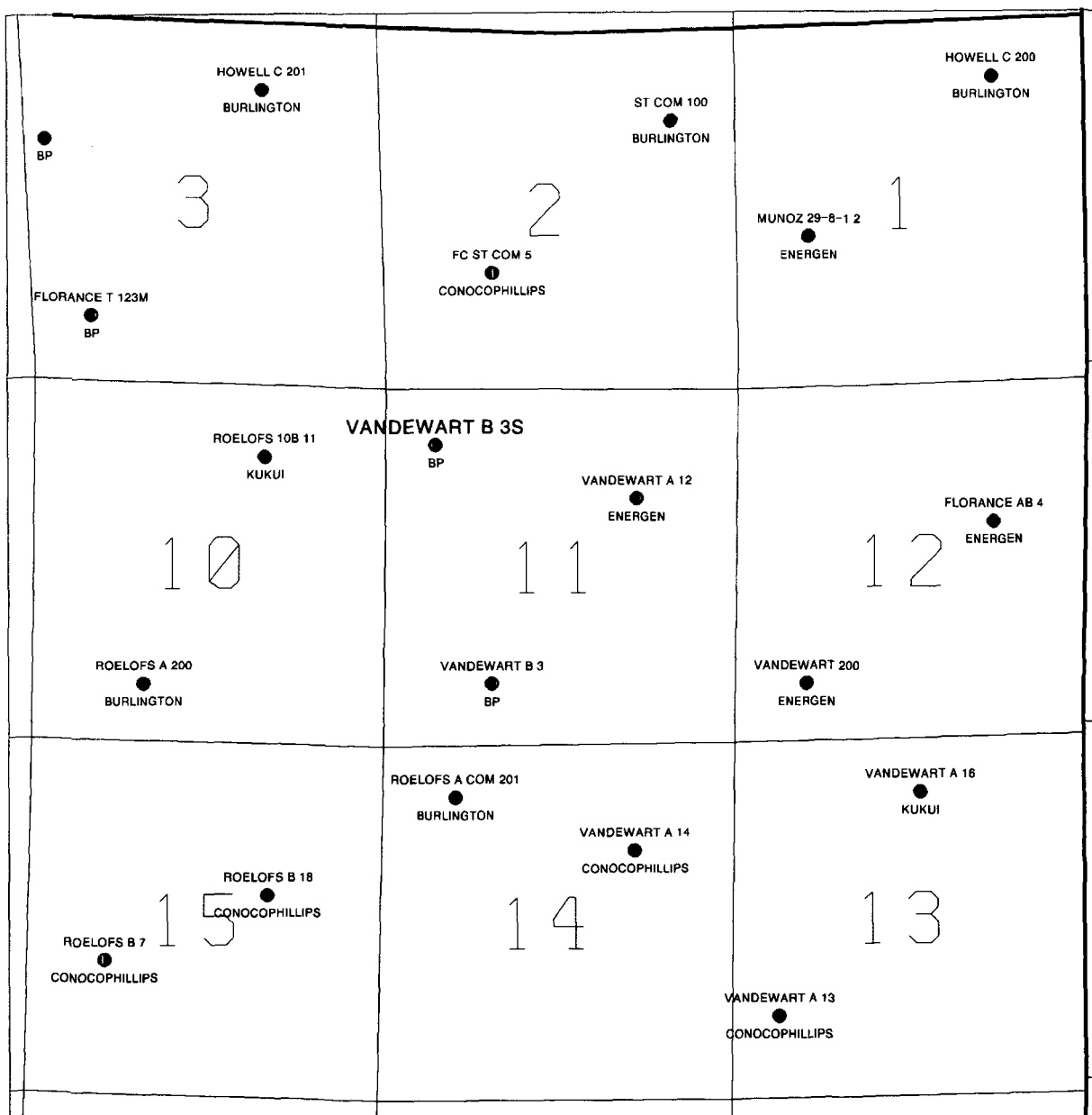
REMARKS

Dashed yellow outline describes the approximate boundaries of drill block, measured from the W & center lines and N & S section lines

By: Perkins

0 754
FEET

October 20, 2005



BP America Production Co.
Houston, TX

Fruitland Coal Wells
T29N R8W Sec. 11
Vandewart B 3S

SCALE	DRAWN M. J. RITZ	DATE 24-OCT-2005
DRAWING		



Vandewart B 3S Final Surveys Report

Schlumberger

Report Date: September 20, 2004	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: BP America Inc.	Vertical Section Azimuth: 341.950°
Field: NM, San Juan County (NAD 83 WZ)	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: BP 11-29N-8W (Vandewart B 3S) HZ Well Proposal / Vandewart B 3S	TVD Reference Datum: RKB
Well: Vandewart B 3S	TVD Reference Elevation: 6354.0 ft relative to MSL
Borehole: Original Hole	Sea Bed / Ground Level Elevation: 6343.000 ft relative to MSL
UWI/API#:	Magnetic Declination: 10.678°
Survey Name / Date: Vandewart B 3S Final Surveys / July 24, 2004	Total Field Strength: 51441.722 nT
Tort / AHD / DDI / ERD ratio: 151.971° / 3773.18 ft / 6.057 / 1.257	Magnetic Dip: 63.677°
Grid Coordinate System: NAD83 New Mexico State Planes, Western Zone, US Feet	Declination Date: September 03, 2004
Location Lat/Long: N 36 44 5.000, W 107 38 50.000	Magnetic Declination Model: BGM 2003
Location Grid N/E Y/X: N 2086808.643 ftUS, E 2777625.864 ftUS	North Reference: Grid North
Grid Convergence Angle: +0.11131534°	Total Corr Mag North -> Grid North: +10.565°
Grid Scale Factor: 0.99992007	Local Coordinates Referenced To: Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2086808.64	2777625.86	N 36 44 5.000	W 107 38 50.000
Begin SLB MWD Surveys	583.00	3.20	311.47	582.70	14.03	10.78	-12.20	0.55	2086819.42	2777613.67	N 36 44 5.107	W 107 38 50.150
	1156.00	2.62	307.56	1154.96	38.62	29.35	-34.56	0.11	2086837.99	2777591.31	N 36 44 5.291	W 107 38 50.424
	1251.00	2.72	301.17	1248.85	42.12	31.84	-38.21	0.33	2086840.48	2777587.66	N 36 44 5.316	W 107 38 50.469
	1346.00	3.36	3.77	1344.74	46.41	35.79	-39.96	3.37	2086844.43	2777585.91	N 36 44 5.355	W 107 38 50.490
	1442.00	7.39	27.38	1440.31	53.36	44.08	-36.93	4.70	2086852.72	2777588.94	N 36 44 5.437	W 107 38 50.453
	1537.00	10.00	29.33	1534.21	63.23	56.70	-30.08	2.76	2086865.34	2777595.79	N 36 44 5.561	W 107 38 50.368
	1633.00	13.01	29.12	1628.27	76.22	73.41	-20.74	3.14	2086882.05	2777605.13	N 36 44 5.726	W 107 38 50.253
	1728.00	16.04	28.69	1720.22	92.49	94.27	-9.23	3.19	2086902.91	2777616.64	N 36 44 5.932	W 107 38 50.111
	1823.00	20.10	25.73	1810.52	113.28	120.50	4.16	4.38	2086929.13	2777630.03	N 36 44 6.191	W 107 38 49.946
	1918.00	23.90	23.49	1898.59	139.48	152.87	18.93	4.10	2086961.50	2777644.79	N 36 44 6.511	W 107 38 49.764
	2012.00	27.22	21.03	1983.38	170.43	190.41	34.24	3.71	2086999.04	2777660.10	N 36 44 6.882	W 107 38 49.575
	2107.00	30.42	20.42	2066.60	206.14	233.24	50.43	3.38	2087041.86	2777676.29	N 36 44 7.305	W 107 38 49.375
	2202.00	33.60	17.95	2147.15	246.25	280.80	66.93	3.62	2087089.42	2777692.78	N 36 44 7.775	W 107 38 49.171
	2297.00	36.26	14.08	2225.04	291.32	333.07	81.87	3.64	2087141.69	2777707.72	N 36 44 8.292	W 107 38 48.986
	2393.00	39.60	9.91	2300.76	342.41	390.78	94.04	4.38	2087199.39	2777719.90	N 36 44 8.862	W 107 38 48.835
	2488.00	42.02	6.38	2372.67	398.11	452.22	102.79	3.52	2087260.82	2777728.65	N 36 44 9.469	W 107 38 48.726
	2583.00	43.49	3.40	2442.43	457.50	516.46	108.26	2.63	2087325.06	2777734.12	N 36 44 10.105	W 107 38 48.658
	2678.00	45.54	1.37	2510.17	519.91	583.00	111.01	2.63	2087391.59	2777736.87	N 36 44 10.762	W 107 38 48.622
	2771.00	48.38	358.87	2573.65	584.49	650.95	111.12	3.63	2087459.54	2777736.98	N 36 44 11.434	W 107 38 48.619
	2867.00	51.17	355.45	2635.65	655.20	724.13	107.45	3.98	2087532.71	2777733.30	N 36 44 12.158	W 107 38 48.663
	2962.00	53.79	354.95	2693.50	728.54	799.21	101.14	2.79	2087607.78	2777726.99	N 36 44 12.900	W 107 38 48.738
	3057.00	56.67	355.37	2747.67	804.50	876.96	94.56	3.05	2087685.53	2777720.41	N 36 44 13.669	W 107 38 48.817
	3152.00	58.48	354.09	2798.61	882.70	956.80	87.18	2.22	2087765.37	2777713.04	N 36 44 14.459	W 107 38 48.906
	3247.00	60.43	354.76	2846.89	962.58	1038.23	79.24	2.14	2087846.78	2777705.10	N 36 44 15.264	W 107 38 49.002
	3342.00	60.60	354.95	2893.65	1043.19	1120.59	71.82	0.25	2087929.14	2777697.68	N 36 44 16.079	W 107 38 49.091
	3373.00	61.19	355.90	2908.73	1069.53	1147.59	69.66	3.28	2087956.14	2777695.52	N 36 44 16.346	W 107 38 49.117
	3405.00	63.60	354.57	2923.55	1097.12	1175.84	67.31	8.38	2087984.39	2777693.16	N 36 44 16.625	W 107 38 49.145
	3437.00	66.59	352.73	2937.03	1125.54	1204.68	64.09	10.70	2088013.23	2777689.95	N 36 44 16.910	W 107 38 49.184
	3468.00	69.96	353.01	2948.50	1153.81	1233.26	60.52	10.90	2088041.80	2777686.38	N 36 44 17.193	W 107 38 49.227
	3500.00	73.64	351.08	2958.50	1183.74	1263.36	56.31	12.85	2088071.89	2777682.17	N 36 44 17.491	W 107 38 49.278
	3532.00	75.47	348.56	2967.02	1214.29	1293.71	50.85	9.50	2088102.25	2777676.71	N 36 44 17.791	W 107 38 49.344
	3564.00	77.48	346.78	2974.50	1245.24	1324.10	44.21	8.29	2088132.64	2777670.07	N 36 44 18.092	W 107 38 49.425
	3595.00	79.27	345.14	2980.75	1275.53	1353.56	36.84	7.76	2088162.09	2777662.70	N 36 44 18.383	W 107 38 49.515
	3627.00	80.43	344.09	2986.39	1306.99	1383.92	28.48	4.86	2088192.45	2777654.34	N 36 44 18.683	W 107 38 49.617
	3659.00	81.68	343.51	2991.36	1338.59	1414.28	19.66	4.30	2088222.81	2777645.53	N 36 44 18.984	W 107 38 49.725
	3691.00	83.62	343.12	2995.46	1370.31	1444.68	10.55	6.18	2088253.20	2777636.41	N 36 44 19.285	W 107 38 49.836
	3723.00	85.90	342.66	2998.38	1402.17	1475.13	1.18	7.27	2088283.65	2777627.04	N 36 44 19.586	W 107 38 49.950
	3754.00	87.01	342.00	3000.30	1433.11	1504.61	-8.21	4.16	2088313.13	2777617.65	N 36 44 19.877	W 107 38 50.065
	3786.00	87.56	341.64	3001.81	1465.07	1534.98	-18.19	2.05	2088343.50	2777607.68	N 36 44 20.178	W 107 38 50.187
	3818.00	89.11	341.98	3002.74	1497.06	1565.37	-28.17	4.96	2088373.88	2777597.69	N 36 44 20.479	W 107 38 50.309
	3850.00	90.52	341.89	3002.85	1529.06	1595.79	-38.10	4.42	2088404.30	2777587.77	N 36 44 20.780	W 107 38 50.430
	3882.00	90.93	341.93	3002.44	1561.06	1626.21	-48.03	1.29	2088434.72	2777577.84	N 36 44 21.081	W 107 38 50.551
	3913.00	91.03	341.69	3001.91	1592.05	1655.65	-57.71	0.84	2088464.16	2777568.16	N 36 44 21.372	W 107 38 50.669
	3945.00	90.83	341.31	3001.39	1624.05	1685.99	-67.86	1.34	2088494.50	2777558.01	N 36 44 21.672	W 107 38 50.793
	3977.00	91.07	341.29	3000.86	1656.04	1716.30	-78.12	0.75	2088524.80	2777547.75	N 36 44 21.972	W 107 38 50.919
	4008.00	91.41	341.34	3000.19	1687.03	1745.66	-88.05	1.11	2088554.16	2777537.83	N 36 44 22.262	W 107 38 51.040
	4040.00	91.48	341.38	2999.38	1719.02	1775.97	-98.27	0.25	2088584.47	2777527.60	N 36 44 22.562	W 107 38 51.165
	4072.00	91.72	341.41	2998.49	1751.01	1806.29	-108.48	0.76	2088614.78	2777517.40	N 36 44 22.862	W 107 38 51.290
	4134.00	91.82	338.19	2996.57	1812.92	1864.44	-129.87	5.19	2088672.93	2777496.00	N 36 44 23.438	W 107 38 51.551
	4166.00	92.27	337.45	2995.43	1844.82	1894.05	-141.94	2.71	2088702.54	2777483.93	N 36 44 23.731	W 107 38 51.699
	4199.00	92.31	337.65	2994.11	1877.70	1924.53	-154.54	0.62	2088733.01	2777471.34	N 36 44 24.032	W 107 38 51.853
	4230.00	92.20	337.46	2992.89	1908.58	1953.16	-166.36	0.71	2088761.64	2777459.52	N 36 44 24.316	W 107 38 51.997
	4262.00	93.20	337.83	2991.39	1940.46	1982.72	-178.52	3.33	2088791.20	2777447.36	N 36 44 24.608	W 107 38 52.146
	4294.00	93.17	337.69	2989.61	1972.32	2012.29	-190.61	0.45	2088820.77	2777435.27	N 36 44 24.901	W 107 38 52.294

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (NUS)	Easting (EUS)	Latitude	Longitude
	4326.00	93.54	337.35	2987.74	2004.17	2041.81	-202.83	1.57	2088850.28	2777423.05	N 36 44 25.193	W 107 38 52.443
	4357.00	93.47	336.61	2985.84	2035.00	2070.29	-214.93	2.39	2088878.76	2777410.95	N 36 44 25.475	W 107 38 52.591
	4389.00	93.61	335.95	2983.86	2066.78	2099.53	-227.78	2.10	2088908.00	2777398.11	N 36 44 25.764	W 107 38 52.748
	4421.00	93.99	336.40	2981.74	2098.55	2128.74	-240.67	1.84	2088937.20	2777385.21	N 36 44 26.053	W 107 38 52.906
	4453.00	92.38	335.77	2979.97	2130.33	2157.94	-253.62	5.40	2088966.41	2777372.26	N 36 44 26.342	W 107 38 53.064
	4483.00	92.17	335.83	2978.77	2160.13	2185.28	-265.91	0.73	2088993.75	2777359.97	N 36 44 26.613	W 107 38 53.215
	4515.00	91.86	335.60	2977.65	2191.92	2214.43	-279.07	1.21	2089022.90	2777346.82	N 36 44 26.901	W 107 38 53.376
	4546.00	92.10	336.00	2976.58	2222.73	2242.69	-291.77	1.50	2089051.15	2777334.12	N 36 44 27.181	W 107 38 53.531
	4608.00	90.96	336.55	2974.92	2284.40	2299.43	-316.70	2.04	2089107.89	2777309.19	N 36 44 27.742	W 107 38 53.836
	4672.00	88.42	335.63	2975.27	2348.06	2357.93	-342.64	4.22	2089166.38	2777283.25	N 36 44 28.321	W 107 38 54.153
	4735.00	89.52	336.12	2976.40	2410.69	2415.42	-368.38	1.91	2089223.87	2777257.51	N 36 44 28.890	W 107 38 54.468
	4798.00	89.59	336.23	2976.89	2473.37	2473.05	-393.83	0.21	2089281.49	2777232.07	N 36 44 29.461	W 107 38 54.780
	4893.00	88.69	336.28	2978.32	2567.89	2560.00	-432.08	0.95	2089368.43	2777193.82	N 36 44 30.321	W 107 38 55.247
	4958.00	90.55	336.13	2978.75	2632.56	2619.47	-458.30	2.87	2089427.90	2777167.60	N 36 44 30.910	W 107 38 55.568
	5022.00	91.48	335.54	2977.61	2696.18	2677.85	-484.50	1.72	2089486.27	2777141.41	N 36 44 31.487	W 107 38 55.889
	5084.00	91.93	334.92	2975.77	2757.73	2734.12	-510.46	1.24	2089542.54	2777115.44	N 36 44 32.044	W 107 38 56.206
	5148.00	91.65	334.27	2973.77	2821.17	2791.90	-537.91	1.11	2089600.32	2777088.00	N 36 44 32.616	W 107 38 56.542
	5212.00	92.48	332.91	2971.46	2884.45	2849.18	-566.35	2.49	2089657.59	2777059.56	N 36 44 33.183	W 107 38 56.890
	5275.00	91.18	330.37	2969.45	2946.39	2904.59	-596.26	4.53	2089712.99	2777029.65	N 36 44 33.731	W 107 38 57.256
	5339.00	90.17	331.98	2968.70	3009.26	2960.65	-627.11	2.97	2089769.05	2776998.80	N 36 44 34.286	W 107 38 57.634
	5403.00	91.92	331.44	2967.53	3072.23	3017.00	-657.44	2.86	2089825.39	2776968.48	N 36 44 34.844	W 107 38 58.005
	5466.00	92.03	330.20	2965.36	3134.00	3071.97	-688.14	1.97	2089880.36	2776937.78	N 36 44 35.388	W 107 38 58.381
	5530.00	92.20	328.78	2963.00	3196.45	3127.07	-720.61	2.23	2089935.45	2776905.32	N 36 44 35.934	W 107 38 58.779
	5561.00	92.10	327.90	2961.83	3226.56	3153.44	-736.86	2.86	2089961.82	2776889.06	N 36 44 36.195	W 107 38 58.978
	5592.00	92.54	327.30	2960.58	3256.57	3179.59	-753.46	2.40	2089987.97	2776872.46	N 36 44 36.454	W 107 38 59.181
	5624.00	92.78	327.40	2959.09	3287.50	3206.50	-770.71	0.81	2090014.88	2776855.22	N 36 44 36.720	W 107 38 59.393
	5655.00	92.89	327.38	2957.56	3317.47	3232.58	-787.39	0.36	2090040.96	2776838.54	N 36 44 36.978	W 107 38 59.597
	5686.00	93.55	327.40	2955.82	3347.42	3258.66	-804.07	2.13	2090067.03	2776821.86	N 36 44 37.236	W 107 38 59.801
	5716.00	93.96	326.20	2953.86	3376.32	3283.70	-820.46	4.22	2090092.08	2776805.47	N 36 44 37.484	W 107 39 0.002
	5747.00	94.19	325.47	2951.65	3406.03	3309.29	-837.83	2.46	2090117.66	2776788.10	N 36 44 37.738	W 107 39 0.215
	5779.00	93.99	324.71	2949.37	3436.57	3335.46	-856.10	2.45	2090143.83	2776769.84	N 36 44 37.997	W 107 39 0.439
	5811.00	93.51	323.39	2947.28	3466.96	3361.31	-874.84	4.38	2090169.68	2776751.09	N 36 44 38.253	W 107 39 0.668
	5843.00	93.17	323.02	2945.41	3497.21	3386.89	-893.98	1.57	2090195.26	2776731.96	N 36 44 38.506	W 107 39 0.903
	5875.00	92.31	322.77	2943.88	3527.42	3412.39	-913.26	2.80	2090220.75	2776712.68	N 36 44 38.758	W 107 39 1.139
Last SLB MWD Survey	5907.00	89.97	322.08	2943.25	3557.57	3437.74	-932.77	7.62	2090246.10	2776693.17	N 36 44 39.009	W 107 39 1.378
Projection to TD	5967.00	89.97	322.08	2943.28	3614.00	3485.07	-969.64	0.00	2090293.43	2776656.30	N 36 44 39.478	W 107 39 1.830

Survey Type: Definitive Survey

Survey Error Model: SLB ISCWSA version 16 *** 3-D 95.00% Confidence 2.7955 sigma

Surveying Prog:

MD From (ft)

0.00

583.00

5907.00

5907.00

MD To (ft)

583.00

5907.00

5967.00

EQU Freq Survey Tool Type

Act-Stns SLB_BLIND

Act-Stns SLB_MWD-STD

Act-Stns SLB_BLIND+TREND