

30-025-44308

Schlumberger

3011 Internet Blvd
Frisco TX 77034
972-214-2200

Date: March 28, 2018

State Of New Mexico
Oil Conservation Division
District 1 – Hobbs
1625 N French Drive
Hobbs, New Mexico 88240

Company Name: Occidental Permian Ltd.
RRC Lease/Gas ID Not Assigned
Well Name: South Hobbs G/SA Unit 283
Permit#: 246477
County: Lea
State: New Mexico
API number: 30-025-44308

HOEBOCK

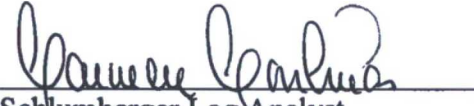
MAY 21 2018

RECEIVED

Enclosed please find the Continuous Direction Survey performed by Schlumberger Wireline & Testing and Data Services, divisions of Schlumberger Technology Corporation (P-5 No. 754900). The Continuous Directional Survey was calculated from GPIT Survey data, and processed by Carmen Contreras, Data Services located in Frisco-Texas. Information required by your office is as follows:

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>		<u>Dates Performed</u>	<u>Type of Survey</u>
Carmen Contreras Geologist	1	1,684' – 5,020'		March 28, 2018	GPIT

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address or call 972-214-2200


Schlumberger Log Analyst
Enclosures

Directional Survey

MD	AZIMUTH	DEVIATION	TVD	XOFFSET	YOFFSET	X	Y	
ft	deg	deg	ft	ft	ft	ft	ft	
0.00	0.00	0.00	0.00	0.00	0.00	864956.87	608882.38	
190.00	45.18	1.00	189.99	1.18	1.17	864958.05	608883.55	
251.00	43.98	1.00	250.98	1.92	1.93	864958.79	608884.31	
432.00	29.18	0.70	431.96	3.56	4.03	864960.43	608886.41	
613.00	132.98	1.20	612.95	5.48	3.70	864962.35	608886.08	
796.00	46.18	0.30	795.93	7.23	2.73	864964.10	608885.11	
976.00	71.78	0.50	975.93	8.32	3.30	864965.19	608885.68	
1165.00	115.38	2.00	1164.88	12.08	2.14	864968.95	608884.52	
1354.00	109.78	2.20	1353.75	18.48	-0.50	864975.35	608881.88	
1543.00	74.78	1.70	1542.65	24.59	-0.99	864981.46	608881.39	
1684.00	98.72	1.34	1683.60	28.24	-0.69	864985.14	608881.40	Tie-in
1714.00	95.70	1.54	1713.59	29.02	-0.79	864985.92	608881.30	GPIT
1744.00	93.06	1.50	1743.58	29.80	-0.85	864986.70	608881.24	
1774.00	82.51	1.39	1773.57	30.59	-0.82	864987.49	608881.27	
1804.00	54.23	1.36	1803.56	31.26	-0.56	864988.15	608881.53	
1834.00	29.35	1.47	1833.55	31.76	0.01	864988.65	608882.10	
1864.00	359.89	1.37	1863.54	31.93	0.71	864988.83	608882.80	
1894.00	334.86	1.76	1893.53	31.75	1.50	864988.65	608883.59	
1924.00	319.22	2.33	1923.51	31.13	2.36	864988.03	608884.45	
1954.00	310.78	2.91	1953.48	30.14	3.36	864987.03	608885.45	
1984.00	300.15	3.25	1983.43	28.81	4.29	864985.71	608886.38	
2014.00	296.42	3.54	2013.38	27.28	5.10	864984.17	608887.19	
2044.00	292.91	4.04	2043.32	25.47	5.92	864982.37	608888.01	
2074.00	290.14	4.41	2073.24	23.45	6.71	864980.35	608888.80	
2104.00	286.48	4.88	2103.14	21.13	7.51	864978.03	608889.60	
2134.00	282.80	5.12	2133.03	18.61	8.15	864975.51	608890.24	
2164.00	276.68	5.60	2162.90	15.86	8.63	864972.76	608890.72	
2194.00	272.43	5.95	2192.74	12.82	8.84	864969.72	608890.93	
2224.00	270.48	6.41	2222.56	9.57	8.93	864966.47	608891.01	
2254.00	270.26	6.53	2252.37	6.16	8.91	864963.05	608891.00	
2284.00	271.37	6.49	2282.17	2.75	8.96	864959.65	608891.05	
2314.00	272.86	6.53	2311.98	-0.63	9.08	864956.26	608891.17	
2344.00	273.20	6.44	2341.79	-4.00	9.25	864952.89	608891.34	
2374.00	271.01	6.35	2371.60	-7.38	9.37	864949.52	608891.46	
2404.00	267.69	6.78	2401.41	-10.79	9.37	864946.11	608891.46	
2434.00	265.30	6.76	2431.20	-14.32	9.12	864942.58	608891.21	
2464.00	264.77	7.45	2460.97	-18.01	8.81	864938.89	608890.90	
2494.00	263.15	7.56	2490.70	-21.97	8.36	864934.93	608890.45	
2524.00	263.92	7.67	2520.43	-25.95	7.91	864930.95	608890.00	
2554.00	264.54	7.49	2550.17	-29.91	7.50	864926.99	608889.59	

2584.00	267.40	7.74	2579.91	-33.82	7.21	864923.08	608889.30
2614.00	267.13	8.08	2609.62	-37.97	7.01	864918.92	608889.10
2644.00	267.53	8.11	2639.32	-42.19	6.80	864914.71	608888.89
2674.00	267.81	7.83	2669.03	-46.33	6.64	864910.56	608888.73
2704.00	267.74	7.68	2698.76	-50.37	6.49	864906.53	608888.58
2734.00	268.11	7.53	2728.50	-54.33	6.35	864902.57	608888.44
2764.00	268.84	7.23	2758.25	-58.16	6.25	864898.74	608888.34
2794.00	269.29	6.95	2788.02	-61.85	6.19	864895.05	608888.28
2824.00	269.16	6.86	2817.80	-65.48	6.15	864891.42	608888.24
2854.00	268.91	6.76	2847.59	-69.06	6.10	864887.84	608888.19
2884.00	268.73	6.72	2877.38	-72.57	6.04	864884.32	608888.13
2914.00	268.39	6.28	2907.19	-75.96	5.95	864880.93	608888.04
2944.00	268.65	6.08	2937.02	-79.20	5.88	864877.70	608887.96
2974.00	268.49	5.96	2966.85	-82.33	5.80	864874.56	608887.89
3004.00	268.56	5.86	2996.69	-85.41	5.72	864871.49	608887.80
3034.00	268.76	5.63	3026.54	-88.43	5.65	864868.47	608887.74
3064.00	268.88	5.48	3056.40	-91.33	5.58	864865.57	608887.67
3094.00	268.65	5.26	3086.27	-94.11	5.51	864862.79	608887.60
3124.00	269.17	5.06	3116.15	-96.80	5.46	864860.09	608887.55
3154.00	270.29	4.96	3146.03	-99.42	5.46	864857.47	608887.54
3184.00	270.87	4.78	3175.93	-101.97	5.48	864854.93	608887.56
3214.00	270.98	4.59	3205.83	-104.42	5.51	864852.48	608887.60
3244.00	270.86	4.40	3235.73	-106.76	5.55	864850.13	608887.64
3274.00	271.17	4.24	3265.65	-109.02	5.59	864847.88	608887.68
3304.00	271.26	4.09	3295.57	-111.20	5.64	864845.70	608887.73
3334.00	272.05	3.88	3325.50	-113.27	5.70	864843.62	608887.79
3364.00	272.90	3.72	3355.43	-115.25	5.79	864841.65	608887.87
3394.00	273.71	3.60	3385.37	-117.16	5.90	864839.74	608887.99
3424.00	273.96	3.41	3415.32	-118.99	6.03	864837.91	608888.11
3454.00	275.42	3.21	3445.27	-120.71	6.17	864836.19	608888.26
3484.00	276.65	3.00	3475.22	-122.32	6.34	864834.58	608888.43
3514.00	278.05	2.86	3505.18	-123.84	6.54	864833.06	608888.63
3544.00	278.77	2.71	3535.15	-125.28	6.76	864831.62	608888.85
3574.00	281.43	2.70	3565.11	-126.66	7.01	864830.23	608889.10
3604.00	282.19	2.62	3595.08	-128.03	7.31	864828.87	608889.40
3634.00	284.28	2.37	3625.05	-129.31	7.62	864827.59	608889.71
3664.00	284.81	1.64	3655.03	-130.34	7.91	864826.55	608889.99
3694.00	292.31	1.12	3685.03	-130.99	8.12	864825.90	608890.21
3724.00	305.24	0.96	3715.02	-131.45	8.37	864825.45	608890.46
3754.00	306.61	1.01	3745.02	-131.85	8.68	864825.04	608890.77
3784.00	297.11	0.97	3775.01	-132.28	8.98	864824.61	608891.07
3814.00	290.15	0.81	3805.01	-132.71	9.17	864824.18	608891.26
3844.00	296.11	0.68	3835.01	-133.06	9.33	864823.83	608891.41
3874.00	308.40	0.73	3865.00	-133.36	9.53	864823.54	608891.62

3904.00	309.26	0.85	3895.00	-133.69	9.78	864823.21	608891.87
3934.00	300.85	0.83	3925.00	-134.06	10.02	864822.84	608892.11
3964.00	301.97	0.69	3955.00	-134.40	10.20	864822.49	608892.29
3994.00	314.11	0.66	3984.99	-134.67	10.41	864822.22	608892.50
4024.00	318.97	0.75	4014.99	-134.91	10.69	864821.98	608892.78
4054.00	315.16	0.81	4044.99	-135.18	11.00	864821.71	608893.09
4084.00	309.86	0.73	4074.99	-135.49	11.27	864821.41	608893.36
4114.00	314.39	0.65	4104.98	-135.76	11.50	864821.13	608893.59
4144.00	325.02	0.66	4134.98	-135.98	11.75	864820.91	608893.84
4174.00	324.76	0.70	4164.98	-136.18	12.04	864820.71	608894.12
4204.00	321.43	0.63	4194.98	-136.39	12.33	864820.51	608894.42
4234.00	320.47	0.41	4224.98	-136.58	12.54	864820.32	608894.62
4264.00	345.94	0.45	4254.98	-136.67	12.72	864820.23	608894.80
4294.00	334.89	0.48	4284.97	-136.74	12.96	864820.16	608895.04
4324.00	334.32	0.30	4314.97	-136.85	13.13	864820.05	608895.22
4354.00	344.31	0.39	4344.97	-136.89	13.29	864820.00	608895.38
4384.00	315.85	0.37	4374.97	-137.00	13.47	864819.90	608895.56
4414.00	349.58	0.32	4404.97	-137.08	13.60	864819.81	608895.69
4444.00	333.05	0.48	4434.97	-137.15	13.81	864819.75	608895.90
4474.00	338.35	0.41	4464.97	-137.26	14.01	864819.64	608896.10
4504.00	344.19	0.64	4494.97	-137.32	14.26	864819.58	608896.35
4534.00	333.16	0.51	4524.97	-137.45	14.53	864819.44	608896.62
4564.00	344.84	0.62	4554.97	-137.54	14.79	864819.36	608896.88
4594.00	323.71	0.53	4584.96	-137.69	15.09	864819.21	608897.17
4624.00	351.21	0.49	4614.96	-137.79	15.31	864819.10	608897.40
4654.00	342.37	0.54	4644.96	-137.85	15.60	864819.04	608897.68
4684.00	11.15	0.41	4674.96	-137.89	15.81	864819.00	608897.90
4714.00	8.04	0.56	4704.96	-137.84	16.07	864819.06	608898.16
4744.00	347.73	0.39	4734.96	-137.84	16.33	864819.05	608898.42
4774.00	5.32	0.58	4764.96	-137.83	16.55	864819.06	608898.64
4804.00	350.72	0.39	4794.96	-137.87	16.81	864819.02	608898.90
4834.00	3.70	0.53	4824.96	-137.86	17.04	864819.03	608899.13
4864.00	2.42	0.30	4854.96	-137.89	17.26	864819.01	608899.35
4894.00	356.21	0.51	4884.95	-137.85	17.49	864819.05	608899.57
4924.00	338.20	0.42	4914.95	-137.90	17.73	864819.00	608899.82
4954.00	359.78	0.29	4944.95	-137.94	17.90	864818.95	608899.98
4984.00	5.71	0.51	4974.95	-137.91	18.11	864818.99	608900.19
5014.00	332.83	0.39	5004.95	-137.93	18.37	864818.96	608900.46
5020.00	332.08	0.34	5010.95	-137.95	18.40	864818.94	608900.49