



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1203612
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1203612

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

October 15, 2014

Jason Andrews
Orca Operating Company LLC
427 S. BOSTON, STE 400
TULSA, OK 74103

Re: ACO-1
API 15-113-21363-01-00
SHADE TREE 25-1H
NW/4 Sec.36-19S-01W
McPherson County, Kansas

Dear Jason Andrews:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 05/08/2014 and the ACO-1 was received on October 08, 2014 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department



Scientific Drilling Survey Report

Customer Name: ORCA OPERATING COMPANY
Site Name: MCPHERSON COUNTY
Well Name: SHADE TREE FARMS
Survey: SHADE TREE FARMS 25-1H -- ST1
Survey Date: 5/18/2014
Magnetic Declination: 3.92 deg
Grid Correction: 0.00 deg
North Reference: True North
Calculation Method: Minimum Curvature
Section (VS) Ref: 0.00N (ft), 0.00E (ft), 23.70Azim (deg)

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid
471.00	1.16	233.15	470.97	-4.16	-2.87	-3.83	0.25
611.00	1.88	235.96	610.92	-7.35	-5.01	-6.87	0.52
798.00	2.55	248.03	797.78	-12.92	-8.28	-13.28	0.43
984.00	2.94	253.56	983.56	-18.96	-11.18	-21.69	0.25
1170.00	2.89	250.18	1169.32	-25.26	-14.12	-30.67	0.10
1356.00	2.96	246.93	1355.08	-31.98	-17.59	-39.49	0.10
1542.00	3.00	240.03	1540.83	-39.39	-21.90	-48.12	0.19
1728.00	2.37	232.26	1726.63	-46.69	-26.68	-55.37	0.39
1771.00	2.26	234.38	1769.59	-48.20	-27.72	-56.77	0.32
1805.00	2.12	246.31	1803.57	-49.24	-28.37	-57.89	1.40
1836.00	0.99	304.04	1834.56	-49.62	-28.45	-58.63	5.81
1867.00	2.62	36.57	1865.54	-48.88	-27.73	-58.44	9.15
1898.00	5.66	41.57	1896.46	-46.74	-26.02	-57.00	9.87
1928.00	8.57	39.54	1926.23	-43.18	-23.19	-54.60	9.73
1959.00	11.42	38.25	1956.75	-37.99	-19.00	-51.23	9.22
1990.00	14.66	42.33	1986.95	-31.30	-13.69	-46.68	10.87
2021.00	17.77	45.15	2016.71	-23.18	-7.45	-40.69	10.36
2051.00	20.65	48.56	2045.04	-14.11	-0.72	-33.47	10.28
2082.00	23.46	49.80	2073.77	-3.61	6.88	-24.66	9.21
2113.00	24.51	50.64	2102.09	7.66	14.94	-14.97	3.55
2144.00	26.22	48.87	2130.10	19.60	23.53	-4.84	6.03
2174.00	28.60	45.35	2156.74	32.27	32.93	5.26	9.59
2205.00	30.92	43.03	2183.65	46.68	43.97	15.97	8.35
2236.00	32.99	39.44	2209.95	62.32	56.31	26.77	9.06
2267.00	35.23	38.00	2235.62	79.11	69.88	37.64	7.69
2297.00	37.26	35.68	2259.81	96.38	84.08	48.27	8.17
2328.00	40.33	34.70	2283.97	115.42	99.95	59.45	10.10
2359.00	44.33	33.75	2306.88	135.94	117.21	71.19	13.06
2389.00	48.25	33.00	2327.61	157.31	135.32	83.11	13.17
2420.00	50.55	31.65	2347.78	180.58	155.21	95.69	8.14
2451.00	52.63	30.32	2367.04	204.67	176.03	108.19	7.49



Scientific Drilling Survey Report

Well Name: SHADE TREE FARMS
Survey: SHADE TREE FARMS 25-1H -- ST1
Survey Date: 5/18/2014

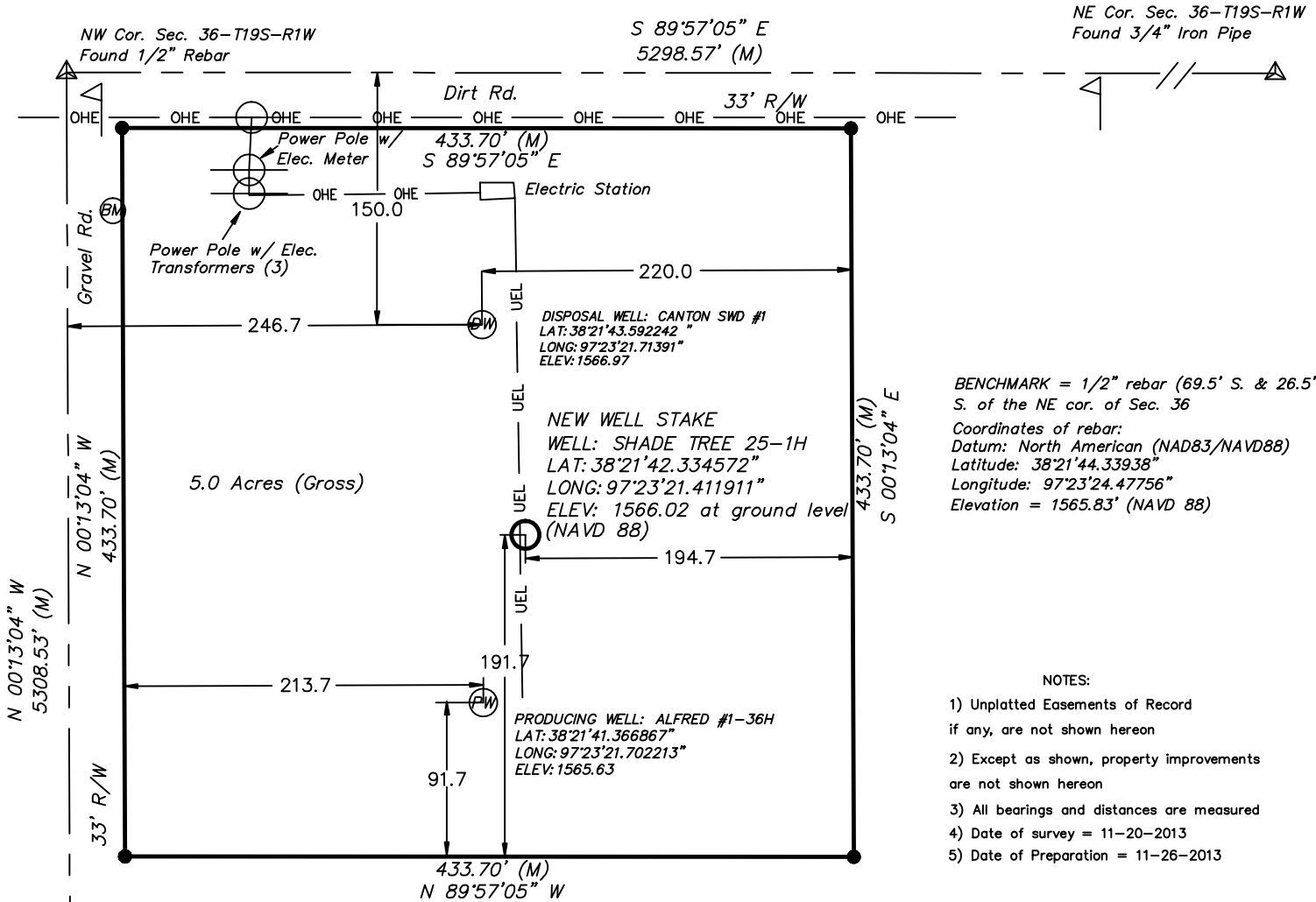
MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
2482.00	54.34	28.56	2385.49	229.46	197.73	120.43	7.18
2513.00	56.29	26.70	2403.13	254.89	220.31	132.25	8.00
2543.00	56.30	24.89	2419.77	279.83	242.78	143.11	5.02
2574.00	57.32	23.60	2436.75	305.77	266.44	153.76	4.79
2605.00	59.49	22.97	2452.99	332.17	290.69	164.19	7.22
2636.00	60.36	22.22	2468.52	358.99	315.46	174.50	3.50
2666.00	60.66	22.31	2483.29	385.10	339.62	184.39	1.04
2697.00	60.71	21.67	2498.47	412.11	364.69	194.52	1.80
2728.00	61.24	20.62	2513.51	439.19	389.97	204.29	3.43
2759.00	61.35	20.81	2528.40	466.35	415.40	213.91	0.62
2789.00	60.87	21.03	2542.90	492.58	439.93	223.29	1.73
2820.00	61.26	20.46	2557.89	519.68	465.31	232.90	2.05
2851.00	61.51	21.19	2572.74	546.86	490.74	242.57	2.23
2881.00	60.85	21.43	2587.20	573.12	515.23	252.12	2.33
2943.00	60.10	21.68	2617.76	627.03	565.40	271.94	1.26
3004.00	59.81	21.23	2648.30	679.79	614.55	291.26	0.80
3066.00	60.29	21.59	2679.25	733.46	664.56	310.87	0.94
3128.00	60.79	21.70	2709.74	787.42	714.74	330.78	0.82
3190.00	60.00	22.89	2740.37	841.30	764.61	351.23	2.11
3221.00	59.25	23.65	2756.05	868.05	789.18	361.80	3.20
3252.00	59.73	23.76	2771.78	894.76	813.64	372.54	1.57
3314.00	60.24	24.20	2802.80	948.44	862.69	394.36	1.02
3377.00	60.19	24.61	2834.10	1003.11	912.48	416.95	0.57
3440.00	59.74	25.10	2865.63	1057.64	961.96	439.87	0.98
3502.00	59.65	24.49	2896.92	1111.16	1010.56	462.32	0.86
3567.00	65.42	23.60	2926.88	1168.80	1063.21	485.79	8.96
3598.00	74.04	22.46	2937.61	1197.85	1089.95	497.15	28.01
3628.00	82.73	22.35	2943.65	1227.20	1117.09	508.34	28.96
3659.00	89.25	23.25	2945.82	1258.11	1145.58	520.32	21.25
3690.00	89.96	23.61	2946.03	1289.11	1174.03	532.65	2.54
3721.00	90.40	23.96	2945.93	1320.11	1202.39	545.15	1.82
3782.00	92.15	23.69	2944.58	1381.09	1258.18	569.78	2.92
3844.00	90.40	21.23	2943.20	1443.05	1315.45	593.46	4.88
3907.00	90.48	21.23	2942.71	1505.99	1374.18	616.28	0.14
3968.00	91.63	21.58	2941.59	1566.93	1430.96	638.54	1.96
4030.00	89.43	19.72	2941.02	1628.83	1488.96	660.40	4.65
4092.00	89.43	19.21	2941.64	1690.66	1547.42	681.06	0.82
4154.00	89.70	19.02	2942.11	1752.46	1606.00	701.36	0.53



Scientific Drilling Survey Report

Well Name: SHADE TREE FARMS
Survey: SHADE TREE FARMS 25-1H -- ST1
Survey Date: 5/18/2014

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
4217.00	89.90	18.48	2942.33	1815.23	1665.65	721.62	0.91
4279.00	89.25	18.42	2942.79	1876.96	1724.46	741.24	1.05
4341.00	89.29	18.12	2943.58	1938.68	1783.33	760.67	0.50
4404.00	89.73	17.72	2944.11	2001.36	1843.28	780.05	0.94
4466.00	88.81	17.28	2944.90	2062.99	1902.40	798.69	1.64
4529.00	89.43	16.93	2945.87	2125.56	1962.61	817.21	1.13
4591.00	89.52	16.40	2946.44	2187.09	2022.00	834.99	0.86
4654.00	90.30	18.62	2946.54	2249.72	2082.08	853.94	3.73
4717.00	90.75	18.60	2945.96	2312.47	2141.78	874.04	0.71
4779.00	90.40	17.28	2945.34	2374.15	2200.77	893.13	2.20
4842.00	91.28	17.37	2944.42	2436.75	2260.90	911.89	1.40
4905.00	92.07	16.93	2942.59	2499.32	2321.08	930.45	1.44
4967.00	89.08	14.29	2941.97	2560.68	2380.78	947.13	6.43
5029.00	89.46	12.91	2942.76	2621.72	2441.03	961.71	2.30
5060.00	89.69	13.50	2942.99	2652.20	2471.21	968.79	2.02
5091.00	89.40	14.19	2943.23	2682.74	2501.31	976.21	2.43
5122.00	89.87	14.20	2943.43	2713.31	2531.36	983.81	1.53
5153.00	89.50	13.78	2943.60	2743.87	2561.44	991.30	1.83
5184.00	90.40	14.82	2943.63	2774.45	2591.48	998.96	4.44

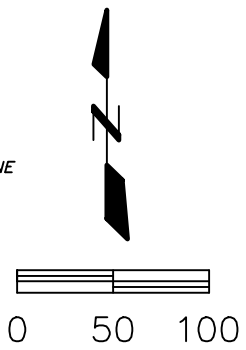


BENCHMARK = 1/2" rebar (69.5' S. & 26.5' S. of the NE cor. of Sec. 36
 Coordinates of rebar:
 Datum: North American (NAD83/NAVD88)
 Latitude: 38°21'44.33938"
 Longitude: 97°23'24.47756"
 Elevation = 1565.83' (NAVD 88)

- NOTES:**
- 1) Unplatted Easements of Record if any, are not shown hereon
 - 2) Except as shown, property improvements are not shown hereon
 - 3) All bearings and distances are measured
 - 4) Date of survey = 11-20-2013
 - 5) Date of Preparation = 11-26-2013

LEGEND:

- (M) = MEASURED OR CALCULATED FROM MEASUREMENT
- = SET 1/2" REBAR
- ▲ = FOUND SECTION CORNER (AS NOTED)
- ⊙ = DISPOSAL WELL
- ⊕ = PRODUCING WELL
- ⊙ = BENCHMARK
- = NEW WELL STAKE
- ⊙ = POWER POLE
- OHE — = OVERHEAD ELECTRIC LINE
- UEL — = UNDERGROUND ELECTRIC LINE
- ⊥ = PIPELINE MARKER (American Energies)





CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 46317
LOCATION 190
FOREMAN Jeff Shell

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-113-21763-01-00

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5/17/14		Shade Tree 24-1H	36	19	01	McPherson

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Orca operating co				
MAILING ADDRESS				
427 S. Barton Ste 400				
CITY				
Tulsa				
STATE				
OK				
ZIP CODE				
74103				

JOB TYPE long string h HOLE SIZE 8 3/4 HOLE DEPTH 3950 CASING SIZE & WEIGHT 7" 26lb
 CASING DEPTH 3934 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.9 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 149.02 DISPLACEMENT PSI 450 MIX PSI 150 RATE 6.3

REMARKS: Safety Meeting, brake circ, with 10bbl fresh water pumped 500gal
mesa head mud flush pumped 10 bbl fresh water pumped 500gal DV 1100 mud flush
pumped 10 bbl fresh water pumped 200 SKS OWC cement 30lb phenaseal
8lb Kol seal displaced & plug down with 149 bbl fresh water plug down
at 8:30 Am at 1050 lbs pressure

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1025.00	1025.00
5406	61	MILEAGE	4.20	256.20
5407A	10 Ton	Tan mileage delivery	1.41	141.10
1126	200 SKS	OWC cement	19.25	3850.00
1107A	30 lbs	Phenaseal	1.35	108.00
1110 A	1600 lbs	Kol Seal	.46	736.00
1103	500 gal	caustic soda (mesa head) Mud flush	1.69	845.00
1144G	500 gal	DV 1100 Mud flush	1.10	550.00
4135	11	7" Torhizers	86.00	946.00
4131	no charge 4	7" centralizers	61.00	244.00
4146	1	7" A F U float shoe	577.50	577.50
4187	1	7" float collar	531.25	531.25
4125	2	7" lock rings	38.75	78.75
4409	1	7" Rubber Plug	82.00	82.00
			Subtotal	10069.30
			SALES TAX	
			ESTIMATED TOTAL	9825.30

Ravin 3737

AUTHORIZATION Martin Mills TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.