



KANSAS CORPORATION COMMISSION 1088907
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34191
Name: Reeder Operating LLC
Address 1: 4925 GREENVILLE AVE., STE 1400
Address 2: _____
City: DALLAS State: TX Zip: 75206 + _____
Contact Person: Gary Wentz
Phone: (214) 373-7793
CONTRACTOR: License # 34571
Name: Atlas Drilling, LLC
Wellsite Geologist: Gary Wentz
Purchaser: _____

API No. 15 - 15-033-21603-01-00
Spot Description: _____
SW SW SW SW Sec. 20 Twp. 32 S. R. 17 East West
150 Feet from North / South Line of Section
225 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Comanche
Lease Name: ROBERT D. GRAY Well #: 1-20H
Field Name: None
Producing Formation: Mississippian
Elevation: Ground: 2018 Kelly Bushing: 2033
Total Depth: 9933 Plug Back Total Depth: 9933
Amount of Surface Pipe Set and Cemented at: 800 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.

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
 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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
11/1/2011 12/2/2011 1/13/2012
Spud Date or Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 2500 ppm Fluid volume: 550 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite: _____
Operator Name: Oil Producers Inc. of Kansas
Lease Name: Rich #9 License #: 8061
Quarter SE Sec. 22 Twp. 32 S. R. 19 East West
County: Comanche Permit #: 8061

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

- Letter of Confidentiality Received
Date: 08/27/2012
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NAOMI JAMES Date: 08/29/2012



1088907

Operator Name: Reeder Operating LLC Lease Name: ROBERT D. GRAY Well #: 1-20H
 Sec. 20 Twp. 32 S. R. 17 East West County: Comanche

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: DIL Induction Array Log N/D Lithodensity Compensated Neutron Micro Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Mississippian</td> <td>5132</td> <td>2035</td> </tr> </table>	Name	Top	Datum	Mississippian	5132	2035
Name	Top	Datum					
Mississippian	5132	2035					

CASING RECORD <input checked="" 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
Surface	12.25	9.625	36	798	Class A	530	2% Gel, 3% Call
Intermediate	8.75	7	26	5650	Class A	480	
Production	6.125	4.5	11.6	9922	Class H	405	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

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

TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>7019.10</u> Packer At: <u>6563</u>		Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>1/13/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input checked="" type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) <u>Well SI until SWD drilled</u>	
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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>5785</u> <u>8752</u>
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Form	ACO1 - Well Completion
Operator	Reeder Operating LLC
Well Name	ROBERT D. GRAY 1-20H
Doc ID	1088907

Perforations

6	6325 - 27, 6200-02, 6075-77, 5925 - 27,5785-87	See attached Schematic for perfs	
6	7000-02, 6885-87, 6770-72, 6655-57, 6530-32		
6	7570-72, 7455-57, 7340-42, 7225-27, 7110-12		
6	8150-52, 8035-37, 7912-10, 7795-97, 7670-72		
6	8750-52, 8635-37, 8510-12, 8395-97, 8270-72		
6	9210-12, 9130-32, 9050-52, 8968-70, 8870-72		
	9750-52, 9685- 87,9665-67,9440-42, 9325-27		

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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

Mark Sievers, Chairman
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 27, 2012

Gary Wente
Reeder Operating LLC
4925 GREENVILLE AVE., STE 1400
DALLAS, TX 75206

Re: ACO1
API 15-033-21603-01-00
ROBERT D. GRAY 1-20H
SW/4 Sec.20-32S-17W
Comanche County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Gary Wente

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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Fax: 316-337-6211
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August 27, 2012

Gary Wentz
Reeder Operating LLC
4925 GREENVILLE AVE., STE 1400
DALLAS, TX 75206

Re: ACO-1
API 15-033-21603-01-00
ROBERT D. GRAY 1-20H
SW/4 Sec.20-32S-17W
Comanche County, Kansas

Dear Gary Wentz:

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 11/1/2011 and the ACO-1 was received on August 27, 2012 (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

BASIC

energy services, L.P.

TREATMENT REPORT

Customer Reeder Operating, LLC	Lease No.	Date 11-15-11
Lease Robert D. Gray	Well # 1-20H	
Equip Order # 5125	Station Pratt, Kansas	Casing 26 Lb
Type Job C.N.W. - Intermediate	Depth 5,722 Feet	County Comanche
	Formation	State Kansas
		Legal Description 20-325-17W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME	
Casing Size 26 Lb / Ft.	Tubing Size 26 Lb / Ft.	Shots/Ft	30 sacks	60/40 Poz	with 28 Gal. 58 Friction Reducer,	DATE	PRESS
Depth 5,722 Feet	Depth	From	258 Defoamer	14 Lb./Gal.	6.37 Gal./Stk.	1.35 cu ft	5 Min
Volume 218.5 Bbl	Volume	From	150 sacks AA-2	with 88 Fluid Loss,	58 Friction Reducer,	258 Defoamer,	10 Min
Max Press 2,900 P.S.I.	Max Press	From	108 Salt,	25 Lb/stk Cellflite			15 Min.
Well Connection Plug Casing	Annulus Vol.	From		15 Lb./Gal.,	6.52 Gal./Stk.,	1.43 CU.F	Annulus Pressure 1.75K
Plug Depth 5,680 Feet	Packer Depth	From		Flush	217 Bbl Fresh Water	Gas Volume	Total Load

Customer Representative Bob Graves	Station Manager David Scott	Operator Clarence R. Messick
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Service Units	37,216	33,708	20,920	19,826	19,860
Driver Names	Messick	Melson	McGraw		

Time	A.M. Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:30					Truck on location and holds safety meeting.
					Atlas Drilling start to run Float Shoe, Shoe Joint, Float Collar, 136 Joints new 26 Lb./Ft. 7" casing.
2:50					Casing in well. Circulate for 1 Hour.
4:11	3,000				Shut in well. Pressure Test. Open Well.
4:13	400			6	Start Fresh water Pre-Flush.
			20	6	Start 500 Gallons Mud Flush
			32	6	Start Fresh Water Spacer.
4:20			35	5	Start mixing 30 sacks 60/40 Poz Cement.
	400		42	5	Start mixing 150 sacks AA-2 cement.
	-0-		80		stop pumping. Shut in well. Wash pump and lines. Release Top Rubber Plug. Open Well.
4:38	300			6.5	Start Fresh Water Displacement.
			170	5	Start to lift cement.
5:11	1,100		217		Plug down.
					Pressure up.
					Release pressure.
					Float Collar held.
					Wash up pump truck.
6:00					Job Complete.
					Thank You.
					Clarence, Joe, Mike

BASIC

energy services, L.P.

TREATMENT REPORT

Customer Reader Operating, LLC.	Lease No.	Date 12-3-11
Lease Robert D. Gray	Well # 1-20H	T.D.
Field Order # 4963	Station Pratt, Kansas	Depth 9933 Feet
Type Job C.N.W. - Longstring	Formation	Legal Description 20-325-17W

PIPE DATA		PERFORATING DATA		MATERIAL USED		TREATMENT RESUME	
Casing Size 12 1/2" ID	Tubing Size 5 1/2" Drill Pipe	Annulus Ft	50 sacks	60 60/40 Poz Cement for scavenger	RATE	PRESS	ISIP
Depth	Depth	From	To	13 lb/gal, 8.52 Gal/s	1.64 CU FT/sk		5 Min.
Volume	Volume	From	To	355 sacks Class "H" cement with 10% salt			15 Min.
Max Press	Max Press	From	To	258 Defoamer, 1% WCA-1			15 Min.
Well Connection	Annulus Vol.	From	To	15.6 lb/gal, 5.43 Gal/sk	1.24 CU FT/sk		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative Bob Graves	Station Manager David Scott	Trainer Clarence R. Messick
Service Units 37,216	19,903	19,905
Driver Names Messick	Mattal	McGraw
19,826	19,860	19,960
19,962		

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:00					Trucks on location and hold safety meeting.
2:15					Liner and Drill Pipe in well. Pump on well with rig pump for 1 hour (No Circulation)
4:25	400			5	Hook up to Weatherford's plug container. Shut in well. Pressure Test. Open Well.
	400		50	5	Start Fresh water Pre-Flush.
			62	5	Start Fresh Mud flush.
5:00			67	5	Start Fresh water spacer.
	400		82	5	Start mixing 50 sacks 60/40 poz cement.
	-0-		160		Start mixing 355 sacks class "H" cement.
					Stop pumping. Shut in well. Wash pump and lines. Release Drill Pipe plug. Open Well.
5:39	100			5	Start 2% HCL Displacement
	1,200		35		Land Drill pipe plug on liner plug.
				5	Start liner Displacement.
6:03	400		106		Plugdown. Pressure up.
	900				Pressure up.
					Release pressure. Insert held.
6:10	1,250				Pressure up and Burst Disk.
					Pump 10 Bbl. Fresh water.
					Pull Drill pipe up out of liner. Hook up well to rig pump to circulate well clean.
					Wash up pump truck.

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

T:30 Job complete. Thank You Clarence M: to M: to Dale

Robert Gray 1-20H LAS

 # File generated by DigiDrill LAS Builder #
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~Version Information

VERS. 2.0 :LAS Version 2.0
 WRAP. NO :One line per depth step

#MNE	.UNIT	DATA	INFORMATION

~Well Information			
STRT	.FT	3852.00	:Start Depth
STOP	.FT	9786.00	:Stop Depth
STEP	.FT	0.50	:Step Value
NULL	.	-999.25	:NULL Value
DATE	.	12/1/2011	:Date
SRVC	.	Calmena Energy Services	:Service Company
COMP	.	Reeder Energy	:Operating Company
WELL	.	Robert Gray 1-20H	:well
FLD	.	Comanche County	:Field
LOC	.	Comanche County	:Location
CNTY	.	Comanche	:County
STAT	.	Kansas	:State
CTRY	.	USA	:Country
UWI	.	150332160301	:UWI Number
API	.	150332160301	:API Number

#SURVEYS:

#SVY	DEPTH	INCL	AZM	TVD	VS	N/-S	E/-W

~Other Information							
0	800.00	0.00	0.00	800.00	0.00	0.00	0.00
1	1012.00	0.20	70.40	1012.00	0.14	0.12	0.35
2	1290.00	0.20	301.10	1290.00	0.55	0.54	0.39
3	1558.00	0.20	39.90	1558.00	1.15	1.14	0.29
4	1821.00	0.40	67.60	1820.99	1.89	1.84	1.43
5	2094.00	1.10	69.70	2093.97	3.28	3.11	4.77
6	2372.00	1.10	53.20	2371.92	5.97	5.64	9.41
7	2650.00	1.10	35.30	2649.87	9.87	9.41	13.09
8	2928.00	1.10	17.40	2927.82	14.68	14.14	15.43
9	3206.00	1.40	5.00	3205.75	20.64	20.07	16.52
10	3484.00	1.60	357.00	3483.66	27.90	27.33	16.62
11	3762.00	1.80	351.30	3761.53	36.06	35.52	15.75
12	4040.00	4.00	39.20	4039.19	48.08	47.35	21.22
13	4318.00	2.60	27.50	4316.73	61.50	60.46	30.26
14	4701.00	2.30	30.00	4699.38	76.13	74.82	38.12
15	4732.00	2.50	29.00	4730.35	77.28	75.95	38.76
16	4764.00	2.50	27.90	4762.32	78.53	77.18	39.42
17	4796.00	2.50	29.00	4794.29	79.78	78.40	40.09
18	4828.00	3.30	32.50	4826.25	81.20	79.79	40.92
19	4859.00	6.00	34.90	4857.15	83.33	81.87	42.32
20	4891.00	8.60	33.20	4888.88	86.78	85.25	44.59
21	4923.00	10.90	33.20	4920.42	91.42	89.78	47.56
22	4953.00	13.50	33.20	4949.74	96.84	95.08	51.03
23	4985.00	16.40	33.50	4980.65	103.89	101.98	55.57
24	5016.00	19.20	34.60	5010.17	111.92	109.83	60.88
25	5047.00	22.30	34.60	5039.15	121.18	118.87	67.12
26	5078.00	25.20	34.60	5067.52	131.70	129.14	74.21
27	5109.00	28.00	34.90	5095.24	143.38	140.54	82.12
28	5140.00	30.60	34.60	5122.27	156.14	153.01	90.76
29	5171.00	33.60	33.20	5148.53	170.14	166.68	99.94
30	5171.00	33.60	33.20	5148.53	170.14	166.68	99.94
31	5202.00	36.40	31.80	5173.92	185.46	181.68	109.49
32	5232.00	39.20	31.10	5197.62	201.48	197.37	119.08

Robert Gray 1-20H LAS

33	5263.00	42.80	30.40	5221.02	219.32	214.85	129.47
34	5295.00	45.90	29.70	5243.90	239.07	234.21	140.67
35	5326.00	48.90	27.90	5264.88	259.44	254.20	151.65
36	5357.00	52.40	25.80	5284.53	281.20	275.59	162.47
37	5389.00	56.50	25.10	5303.13	305.09	299.10	173.65
38	5420.00	60.00	23.30	5319.44	329.50	323.14	184.44
39	5451.00	63.30	21.90	5334.16	355.04	348.32	194.92
40	5482.00	66.70	20.50	5347.26	381.58	374.51	205.08
41	5512.00	69.70	18.80	5358.40	408.12	400.74	214.44
42	5543.00	73.00	17.70	5368.31	436.32	428.64	223.63
43	5573.00	76.50	15.90	5376.21	464.31	456.34	231.99
44	5604.00	79.90	13.80	5382.54	493.89	485.67	239.76
45	5635.00	82.90	11.70	5387.18	524.01	515.56	246.52
46	5665.00	85.70	8.90	5390.16	553.54	544.92	251.86
47	5710.00	89.60	8.90	5392.00	598.17	589.33	258.81
48	5739.00	89.70	5.80	5392.18	627.05	618.09	262.52
49	5771.00	90.30	5.80	5392.18	658.98	649.93	265.76
50	5803.00	91.70	5.40	5391.62	690.91	681.77	268.88
51	5835.00	91.70	5.40	5390.67	722.84	713.61	271.89
52	5866.00	91.80	4.70	5389.73	753.78	744.48	274.62
53	5898.00	92.40	3.30	5388.55	785.74	776.38	276.85
54	5929.00	92.40	3.30	5387.26	816.71	807.30	278.63
55	5961.00	92.40	0.80	5385.92	848.68	839.25	279.77
56	5993.00	91.80	0.10	5384.74	880.64	871.23	280.03
57	6024.00	89.70	359.80	5384.34	911.62	902.22	280.00
58	6056.00	89.00	359.10	5384.70	943.58	934.22	279.69
59	6088.00	90.10	359.80	5384.95	975.55	966.21	279.38
60	6119.00	90.60	359.40	5384.76	1006.52	997.21	279.17
61	6151.00	91.70	359.80	5384.12	1038.48	1029.20	278.94
62	6183.00	94.10	359.10	5382.50	1070.41	1061.16	278.64
63	6215.00	97.10	359.80	5379.38	1102.22	1093.00	278.33
64	6247.00	97.70	359.40	5375.26	1133.92	1124.73	278.11
65	6279.00	97.00	359.10	5371.16	1165.62	1156.47	277.69
66	6311.00	96.20	358.70	5367.49	1197.36	1188.25	277.08
67	6343.00	96.10	358.40	5364.06	1229.12	1220.06	276.28
68	6375.00	96.40	358.00	5360.57	1260.86	1251.85	275.28
69	6404.00	96.60	358.00	5357.29	1289.60	1280.65	274.27
70	6438.00	96.10	358.00	5353.53	1323.30	1314.42	273.10
71	6470.00	95.70	358.00	5350.24	1355.06	1346.23	271.98
72	6502.00	96.10	358.00	5346.95	1386.81	1378.04	270.87
73	6533.00	95.90	357.70	5343.71	1417.56	1408.85	269.72
74	6565.00	95.90	357.70	5340.42	1449.29	1440.65	268.44
75	6596.00	96.10	357.00	5337.18	1480.02	1471.45	267.01
76	6628.00	95.70	358.00	5333.89	1511.75	1503.25	265.63
77	6659.00	95.70	358.00	5330.81	1542.52	1534.08	264.55
78	6691.00	95.70	358.00	5327.58	1574.26	1565.89	263.24
79	6691.00	95.90	357.30	5327.58	1574.26	1565.89	263.24
80	6755.00	96.10	357.30	5321.00	1637.74	1629.49	260.63
81	6786.00	96.40	357.00	5317.63	1668.44	1660.27	259.10
82	6818.00	96.80	357.70	5313.95	1700.12	1692.02	257.63
83	6850.00	97.00	356.60	5310.10	1731.77	1723.75	256.05
84	6882.00	96.40	357.70	5306.37	1763.44	1755.49	254.47
85	6913.00	96.80	357.70	5302.81	1794.15	1786.26	253.24
86	6945.00	96.60	357.30	5299.07	1825.83	1818.01	251.85
87	7006.00	95.70	357.00	5292.54	1886.25	1878.59	248.83
88	7037.00	96.20	357.00	5289.32	1916.97	1909.38	247.22
89	7069.00	94.80	357.70	5286.26	1948.71	1941.20	245.75
90	7101.00	94.80	357.70	5283.58	1980.51	1973.06	244.47
91	7165.00	92.20	357.70	5279.67	2044.20	2036.88	241.91
92	7196.00	91.00	358.40	5278.81	2075.11	2067.85	240.85
93	7228.00	91.00	358.70	5278.25	2107.05	2099.84	240.04
94	7260.00	91.30	358.70	5277.61	2138.99	2131.82	239.32
95	7292.00	90.10	359.40	5277.22	2170.94	2163.81	238.79

Robert Gray 1-20H LAS

96	7292.00	90.10	359.40	5277.22	2170.94	2163.81	238.79
97	7323.00	90.10	359.40	5277.16	2201.91	2194.81	238.46
98	7355.00	90.40	0.10	5277.02	2233.88	2226.81	238.32
99	7387.00	90.80	0.10	5276.69	2265.86	2258.81	238.38
100	7418.00	91.30	0.80	5276.12	2296.85	2289.80	238.62
101	7450.00	90.60	0.50	5275.59	2328.83	2321.80	238.98
102	7482.00	90.60	0.10	5275.25	2360.82	2353.79	239.15
103	7513.00	90.80	0.10	5274.87	2391.80	2384.79	239.20
104	7545.00	91.00	0.10	5274.37	2423.77	2416.79	239.26
105	7576.00	90.30	359.80	5274.02	2454.75	2447.79	239.23
106	7608.00	90.30	359.80	5273.85	2486.73	2479.78	239.12
107	7640.00	90.30	359.40	5273.69	2518.70	2511.78	238.90
108	7671.00	90.30	359.10	5273.52	2549.66	2542.78	238.49
109	7703.00	90.30	359.10	5273.36	2581.62	2574.78	237.99
110	7735.00	90.30	358.70	5273.19	2613.57	2606.77	237.38
111	7767.00	90.40	358.00	5272.99	2645.50	2638.76	236.45
112	7798.00	90.40	358.40	5272.78	2676.43	2669.74	235.48
113	7830.00	90.40	358.40	5272.55	2708.36	2701.73	234.59
114	7862.00	89.90	357.70	5272.47	2740.29	2733.71	233.50
115	7893.00	88.90	357.70	5272.79	2771.20	2764.68	232.25
116	7925.00	88.90	357.70	5273.41	2803.10	2796.65	230.97
117	7957.00	89.00	357.70	5273.99	2835.00	2828.62	229.69
118	7989.00	88.70	358.40	5274.64	2866.92	2860.59	228.60
119	8021.00	88.90	357.70	5275.31	2898.83	2892.57	227.51
120	8053.00	89.00	357.70	5275.89	2930.73	2924.53	226.23
121	8084.00	89.00	357.30	5276.43	2961.63	2955.50	224.87
122	8116.00	89.00	358.70	5276.99	2993.55	2987.48	223.76
123	8148.00	88.90	359.10	5277.58	3025.49	3019.46	223.14
124	8180.00	89.00	358.70	5278.17	3057.44	3051.45	222.53
125	8212.00	89.20	359.10	5278.67	3089.39	3083.44	221.91
126	8243.00	89.40	358.70	5279.05	3120.34	3114.43	221.32
127	8275.00	89.60	359.10	5279.33	3152.29	3146.43	220.70
128	8307.00	89.70	358.40	5279.52	3184.24	3178.42	220.01
129	8339.00	90.30	358.40	5279.52	3216.17	3210.41	219.11
130	8370.00	90.40	358.00	5279.33	3247.10	3241.39	218.14
131	8401.00	90.60	357.70	5279.06	3278.02	3272.37	216.98
132	8433.00	90.10	358.00	5278.87	3309.93	3304.34	215.78
133	8465.00	89.90	358.70	5278.87	3341.86	3336.33	214.85
134	8497.00	89.90	358.00	5278.92	3373.80	3368.32	213.93
135	8528.00	90.30	358.00	5278.87	3404.72	3399.30	212.85
136	8560.00	90.40	358.00	5278.67	3436.64	3431.28	211.73
137	8592.00	90.60	357.70	5278.39	3468.55	3463.26	210.53
138	8624.00	90.40	357.30	5278.11	3500.45	3495.22	209.14
139	8656.00	90.60	357.30	5277.83	3532.34	3527.19	207.63
140	8687.00	90.60	357.70	5277.51	3563.24	3558.16	206.28
141	8719.00	90.60	357.70	5277.17	3595.15	3590.13	204.99
142	8750.00	91.10	357.70	5276.71	3626.06	3621.10	203.75
143	8782.00	91.10	358.00	5276.10	3657.97	3653.07	202.55
144	8814.00	91.00	357.70	5275.51	3689.87	3685.04	201.35
145	8846.00	91.80	358.40	5274.73	3721.79	3717.01	200.26
146	8878.00	92.60	359.40	5273.50	3753.71	3748.98	199.65
147	8909.00	92.60	359.10	5272.10	3784.65	3779.95	199.24
148	8941.00	92.60	359.40	5270.65	3816.58	3811.91	198.82
149	8973.00	92.70	359.80	5269.17	3848.51	3843.88	198.60
150	9004.00	92.90	359.80	5267.65	3879.45	3874.84	198.49
151	9036.00	93.30	359.80	5265.92	3911.38	3906.79	198.38
152	9068.00	93.40	359.80	5264.05	3943.30	3938.74	198.27
153	9100.00	92.90	359.80	5262.29	3975.23	3970.69	198.16
154	9132.00	93.10	0.50	5260.62	4007.17	4002.65	198.24
155	9163.00	93.40	359.80	5258.86	4038.10	4033.60	198.32
156	9195.00	93.30	0.50	5256.99	4070.03	4065.54	198.41
157	9227.00	93.40	359.80	5255.12	4101.96	4097.49	198.49
158	9259.00	91.30	359.80	5253.81	4133.90	4129.46	198.38

Robert Gray 1-20H LAS

159	9291.00	90.40	358.70	5253.33	4165.86	4161.45	197.96
160	9323.00	90.10	357.70	5253.19	4197.79	4193.43	196.95
161	9355.00	90.30	358.70	5253.08	4229.71	4225.42	195.95
162	9386.00	90.30	358.40	5252.92	4260.66	4256.41	195.16
163	9418.00	90.40	357.30	5252.73	4292.57	4288.38	193.96
164	9450.00	90.60	358.00	5252.45	4324.47	4320.35	192.65
165	9482.00	90.60	357.30	5252.11	4356.38	4352.33	191.34
166	9514.00	90.60	356.30	5251.78	4388.24	4384.27	189.55
167	9546.00	89.40	356.30	5251.78	4420.08	4416.21	187.49
168	9577.00	89.70	356.60	5252.02	4450.93	4447.15	185.57
169	9609.00	89.60	357.70	5252.21	4482.82	4479.11	183.98
170	9641.00	90.30	358.00	5252.24	4514.73	4511.08	182.78
171	9677.00	90.80	357.00	5251.90	4550.61	4547.05	181.21
172	9704.00	91.80	356.30	5251.28	4577.49	4573.99	179.63
173	9735.00	91.00	357.00	5250.53	4608.34	4604.93	177.82
174	9767.00	91.10	357.00	5249.94	4640.21	4636.88	176.15
175	9799.00	91.70	357.70	5249.16	4672.09	4668.84	174.67
176	9830.00	91.80	357.30	5248.21	4702.98	4699.79	173.31
177	9862.00	91.80	357.00	5247.21	4734.85	4731.74	171.72

REEDER OPERATING, LLC
 ROBERT GRAY LEASE
 SW. 1/4, SECTION 20, T32S, R17W
 COMANCHE COUNTY, KANSAS

NO ROAD

Notes:

1. Set iron rod at location site.
2. All flagging Red & Yellow.
3. No overhead power available at Sec.20.
4. Kansas One Call System Inc. should be notified before excavation (1-800-344-7233).
5. CAUTION: Various pipelines in Sec.20.
6. Contact landowner for best access.
7. Original location (150'FSL 350'FWL) fell near a draw, set new location per representative.

ROAD

ROAD

20

EAST BRANCH
 NESCATUNGA CREEK

Drillsite Location
 Robert Gray 1-20H
 150'FSL 225'FWL
 Ground Elevation = 2018
 Y = 208890 X = 1796143

State Plane-NAD 27-Kansas South
 (Mapping Grade GPS Used)

PASTURE

NE-SW FENCE
 125' NW. OF
 LOCATION

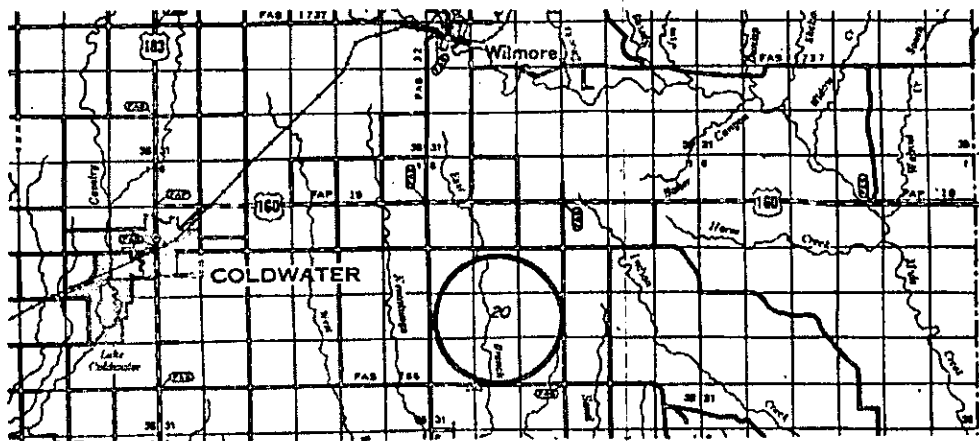
GATE

E-W FENCE 50'S.
 OF LOCATION

200' x 300'
 TRACT

NO

ROAD



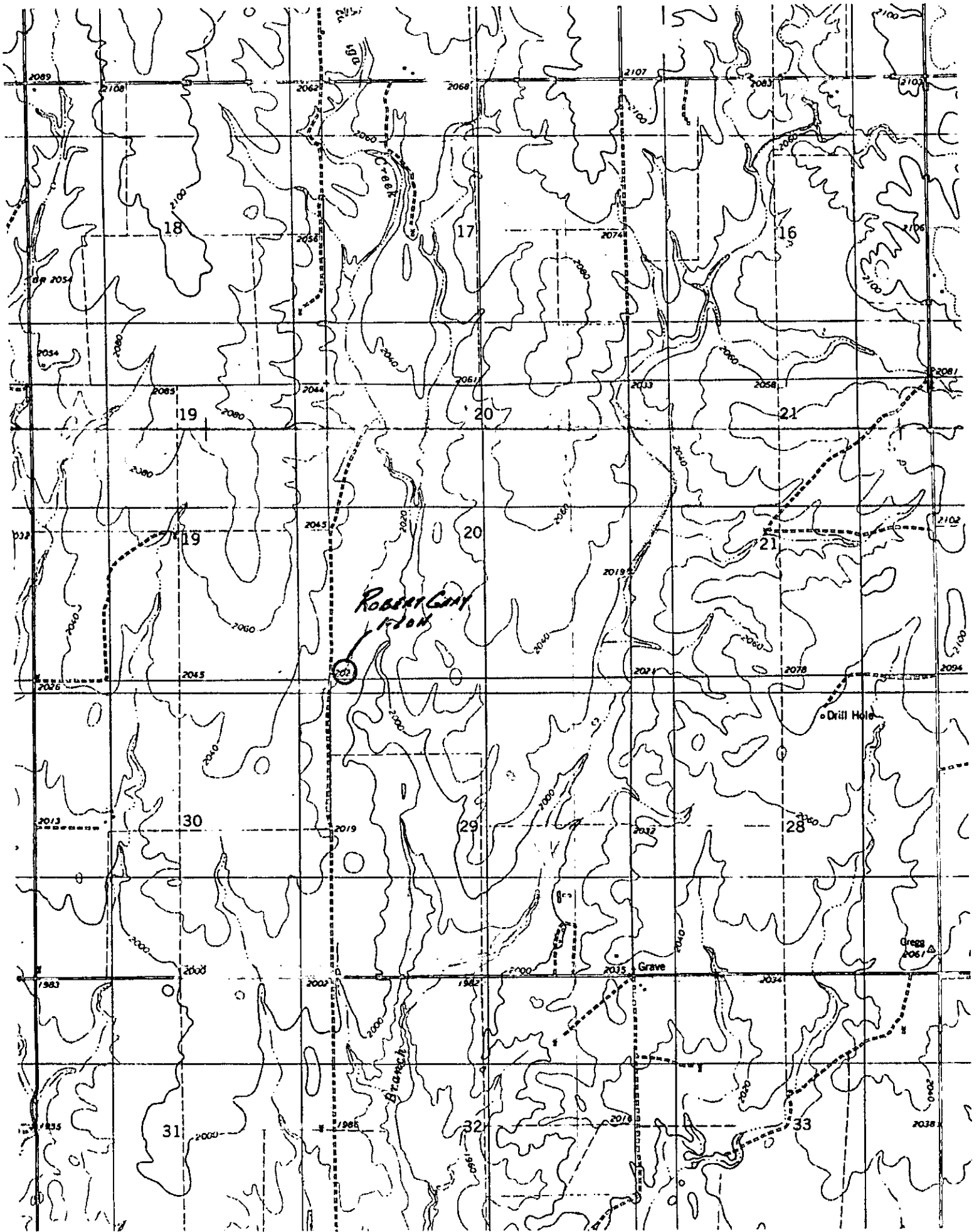
Controlling data is based upon the best maps and photographs available to us and upon a regular section of land containing 640 acres.
 Approximate section lines were determined using the normal standards of care of oilfield surveyors practicing in the state of Kansas. The section corners, which establish the precise section lines, were not necessarily located, and the exact location of the drillsite location in the section is not guaranteed. Therefore, the operator securing this service and accepting this plan and all other services relating thereto agree to hold Central Kansas Oilfield Services, Inc., its officers and employees harmless from all losses, costs and expenses and hold entities released from any liability from incidental or consequential damages.
 Elevations derived from National Geodetic Vertical Datum.

Date September 14, 2011

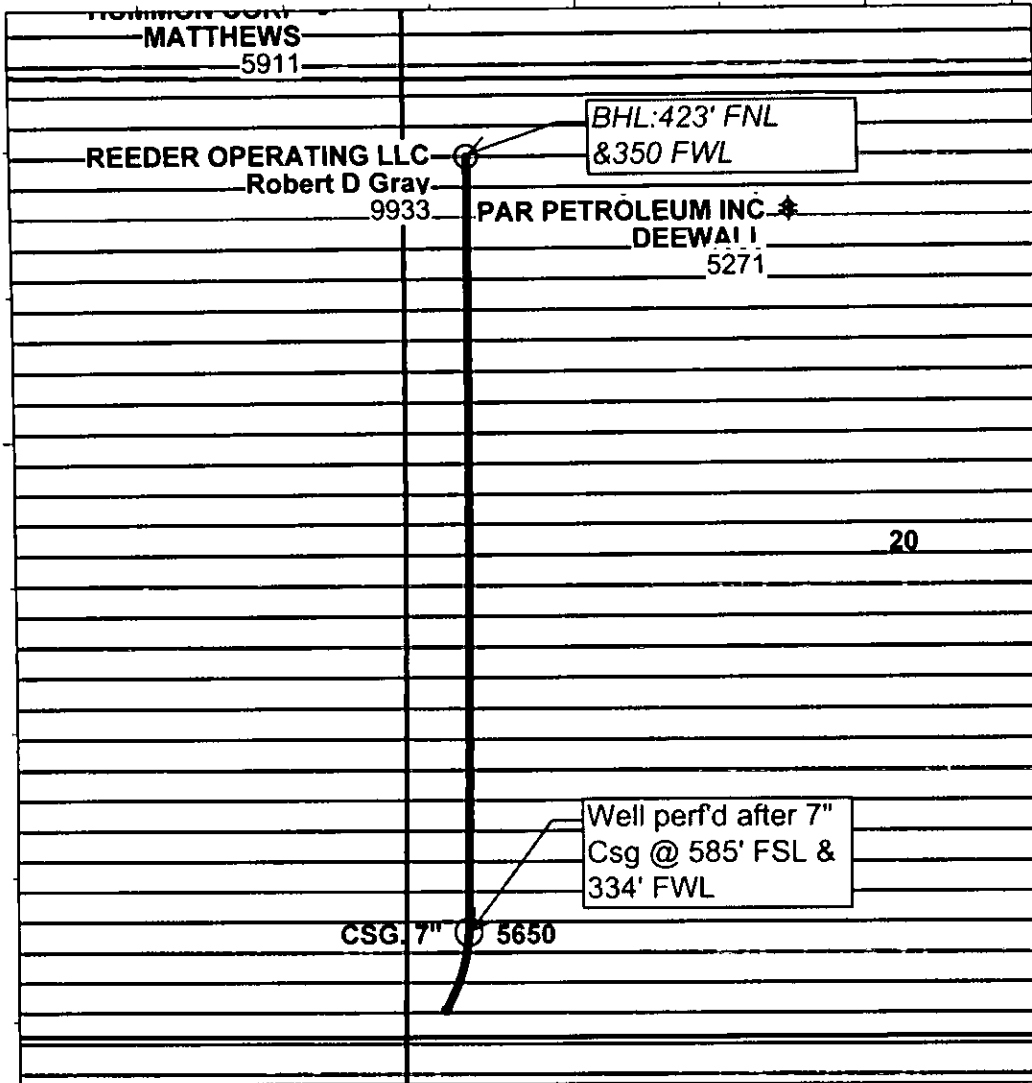
CENTRAL KANSAS OILFIELD SERVICES, INC. (620)792-1977

Ingress and egress to location as shown on this plan is for usage only and may not be legally opened for public use. Contact landowner, tenant and county road department for access.





X/Y:
Feet

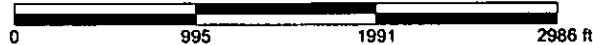


Reeder Operating LLC

Plat Map- Robert D. Gray 1-20H

Comanche Co., KS

Scale = 1:11943



Base Map Section 20- T32S R17W
NAD 1927 State Plane