



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1078683
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
-----------------------------------	-----------------	---

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: _____

1078683

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Rupe Oil Company, Inc.
Well Name	Red Jaw 7-2
Doc ID	1078683

Tops

Name	Top	Datum
Heebner Sh	2521 (-993)	
Brown Lime	2752 (-1224)	
Lansing	2766 (-1238)	
Swope	3105 (-1577)	
BS Kansas City	3194 (-1666)	
Cherokee	3328 (-1800)	
Mississippian	3448 (-1920)	
Kinderhook Sh	3654 (-2126)	
Viola	3854 (-2326)	
Simpson Sand	3878 (-2350)	

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

April 17, 2012

Becky Middleton
Rupe Oil Company, Inc.
111 WHITTIER # 1000
PO BOX 783010
WICHITA, KS 67207-1045

Re: ACO1
API 15-155-21581-00-00
Red Jaw 7-2
NE/4 Sec.07-25S-05W
Reno 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,
Becky Middleton

ALLIED CEMENTING CO., LLC. 037925

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicine Lodge KS

DATE <u>1-17-2012</u>	SEC. <u>7</u>	TWP. <u>25s</u>	RANGE <u>5w</u>	CALLED OUT <u>2:00pm</u>	ON LOCATION <u>4:00pm</u>	JOB START <u>6:00pm</u>	JOB FINISH <u>6:30pm</u>
LEASE <u>Red Jgw</u>		WELL # <u>7-2</u>	LOCATION <u>Hwy 17 & Arlington Blv</u>		COUNTY <u>Reno</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>2 east, 1/4 south, Winto</u>				

CONTRACTOR VGI #2 OWNER Rupe Oil Co.

TYPE OF JOB <u>Surface</u>	CEMENT
HOLE SIZE <u>12 1/4</u> T.D. <u>257'</u>	AMOUNT ORDERED <u>175 @ 60' 40' 25%</u>
CASING SIZE <u>8 5/8</u> DEPTH <u>257'</u>	<u>60' + 3% lcc</u>
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	

PRES. MAX MINIMUM	COMMON <u>105 SACKS "A"</u> @ <u>16.25</u> <u>1706.25</u>
MEAS. LINE SHOE JOINT	POZMIX <u>70 SACKS</u> @ <u>8.50</u> <u>595.00</u>
CEMENT LEFT IN CSG. <u>20'</u>	GEL <u>3 SACKS</u> @ <u>21.25</u> <u>63.75</u>
PERFS.	CHLORIDE <u>6 SACKS</u> @ <u>58.20</u> <u>349.20</u>
DISPLACEMENT <u>15 bbls of Freshwater</u>	ASC @

EQUIPMENT		
PUMP TRUCK CEMENTER <u>Darin F.</u>		
# <u>360-265</u> HELPER <u>Jason T</u>		
BULK TRUCK		
# <u>381-250</u> DRIVER <u>George W</u>		
BULK TRUCK		
# DRIVER		

REMARKS:

Pipe on bottom & break circulation
Pump 3 bbls water & ches mix
of cement, displac 15 bbls of fresh
water, shut in, cement did circulate

HANDLING <u>184</u>	@ <u>2.25</u>	<u>414.00</u>
MILEAGE <u>45 x 184 x .11</u>		<u>910.80</u>
TOTAL		<u>\$4039.00</u>

CHARGE TO: Rupe Oil Co.
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE		
DEPTH OF JOB <u>257'</u>		
PUMP TRUCK CHARGE		<u>1125.00</u>
EXTRA FOOTAGE @		
MILEAGE <u>90</u> @ <u>7.00</u>		<u>630.00</u>
MANIFOLD <u>8 5/8</u> <u>40</u> @ <u>4.00</u>		<u>320.00</u>
<u>LV</u> @		
TOTAL		<u>\$2115.00</u>

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT		
<u>8 5/8</u>		
<u>1 wooden plug</u>	@	<u>92.00</u>
<u>None</u>	@	
	@	
	@	
	@	
TOTAL		<u>\$92-</u>

PRINTED NAME x Rick Smith
SIGNATURE x Rick Smith
Thank you!!!

SALES TAX (If Any) _____
TOTAL CHARGES \$6246-
DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 042369

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Great Bend KS

DATE <u>1-26-12</u>	SEC. <u>7</u>	TWP. <u>25S</u>	RANGE <u>5W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30pm</u>	JOB FINISH <u>5:30pm</u>
LEASE <u>Red Saw</u>		WELL # <u>7-2</u>		LOCATION <u>Arlington Blacktop and Hwy 17</u>		COUNTY <u>Reno</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				<u>2 east 1/4 South West into</u>			

CONTRACTOR Val Rig #2
 TYPE OF JOB Rotary plug
 HOLE SIZE 7 7/8 T.D. 3939
 CASING SIZE 8 5/8 DEPTH 257
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH 750'
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. all
 PERFS.
 DISPLACEMENT Fresh water / 1/2 reg mud

OWNER Rupe Oil
 CEMENT
 AMOUNT ORDERED 150 sac 60/40 4% gel
1/4# Floseal
 COMMON 90 @ 16.25 1,462.50
 POZMIX 60 @ 8.50 510.00
 GEL 5 @ 21.25 106.25
 CHLORIDE @
 ASC @
Floseal 38 II @ 2.70 102.60
 HANDLING 157 @ 2.25 353.25
 MILEAGE 157 x 45 x .11 777.15
 TOTAL 3,311.75

EQUIPMENT

PUMP TRUCK CEMENTER Bob R.
 # 398 HELPER Dustin C.
 BULK TRUCK
 # 341 DRIVER Vince P.
 BULK TRUCK
 # DRIVER

REMARKS:

1st plug at 750' mud 35 sac
2nd plug at 350' mud 50 sac
3rd plug at 60' mud 25 sac
RH mud 25 sac
MH mud 15 sac
Clean up rig down.

SERVICE

DEPTH OF JOB 750'
 PUMP TRUCK CHARGE 1,250.00
 EXTRA FOOTAGE @
 MILEAGE Hvm 90 @ 7.00 630.00
 MANIFOLD @
hvm 90 @ 4.00 360.00

TOTAL 2,240.00

CHARGE TO: Rupe Oil
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
 @
 @
 @
 @

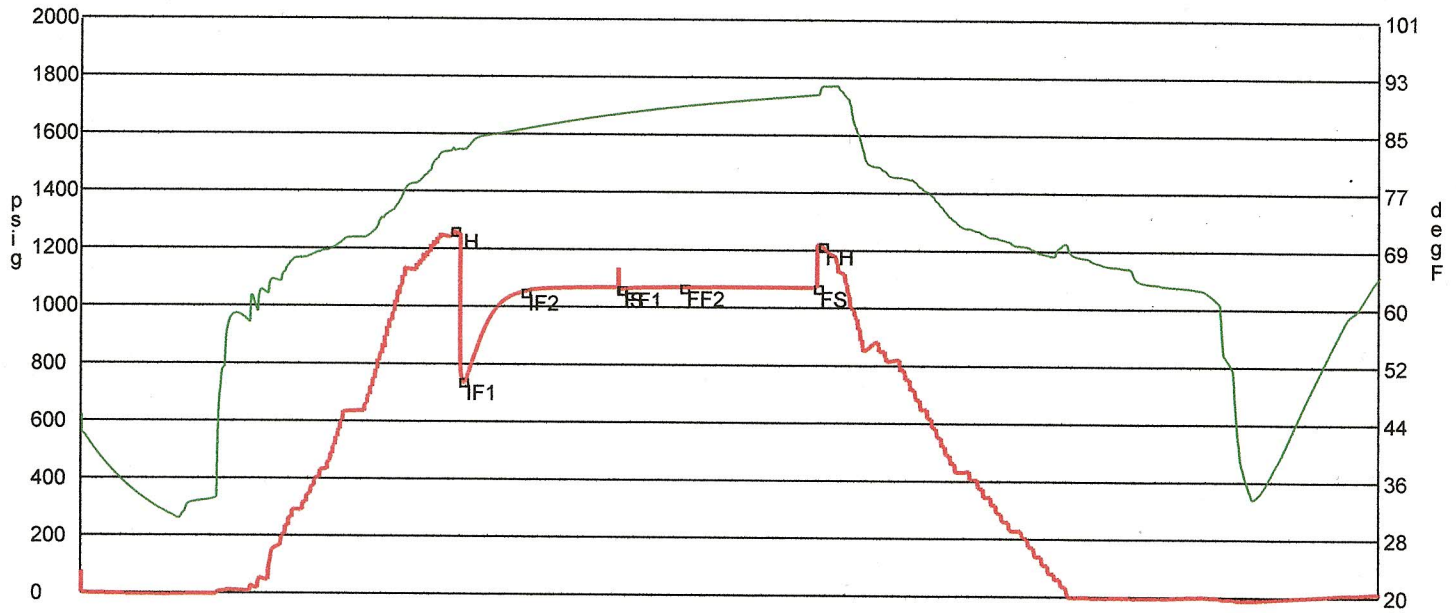
TOTAL

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
 TOTAL CHARGES 5,551.75
 DISCOUNT 20% 1,110.35 IF PAID IN 30 DAYS
4,441.40

PRINTED NAME Rick Smith
 SIGNATURE Rick Smith

Thank You!



	Date	Time	Pressure	Temp	
IH	1/20/2012 8:27:30 PM	2.925	1263.6	82.685	Initial Hydro-static
IF1	1/20/2012 8:31:30 PM	2.991667	740.297	82.612	Initial Flow (1)
IF2	1/20/2012 9:01:00 PM	3.483333	1051.721	85.528	Initial Flow (2)
IS	1/20/2012 9:46:10 PM	4.236111	1063.04	87.712	Initial Shut-In
FF1	1/20/2012 9:46:30 PM	4.241667	1063.05	87.728	Final Flow (1)
FF2	1/20/2012 10:16:00 PM	4.733333	1069.366	88.79	Final Flow (2)
FS	1/20/2012 11:19:20 PM	5.788889	1070.518	90.48	Final Shut-In
FH	1/20/2012 11:21:40 PM	5.827778	1216.522	91.658	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

Company	Rupe Oil Company, Inc	Lease Name	Redjaw	
Address	P.O. Box 783010	Lease #	7-2	
CSZ	Wichita, KS 67202	Legal Desc	S/2-SE-NE-NE	Job Ticket 6001
Attn.	Larry Friend	Section	7	Range 5w
		Township	25s	
		County	Reno	State KS
		Drilling Cont	Val Rig 2	

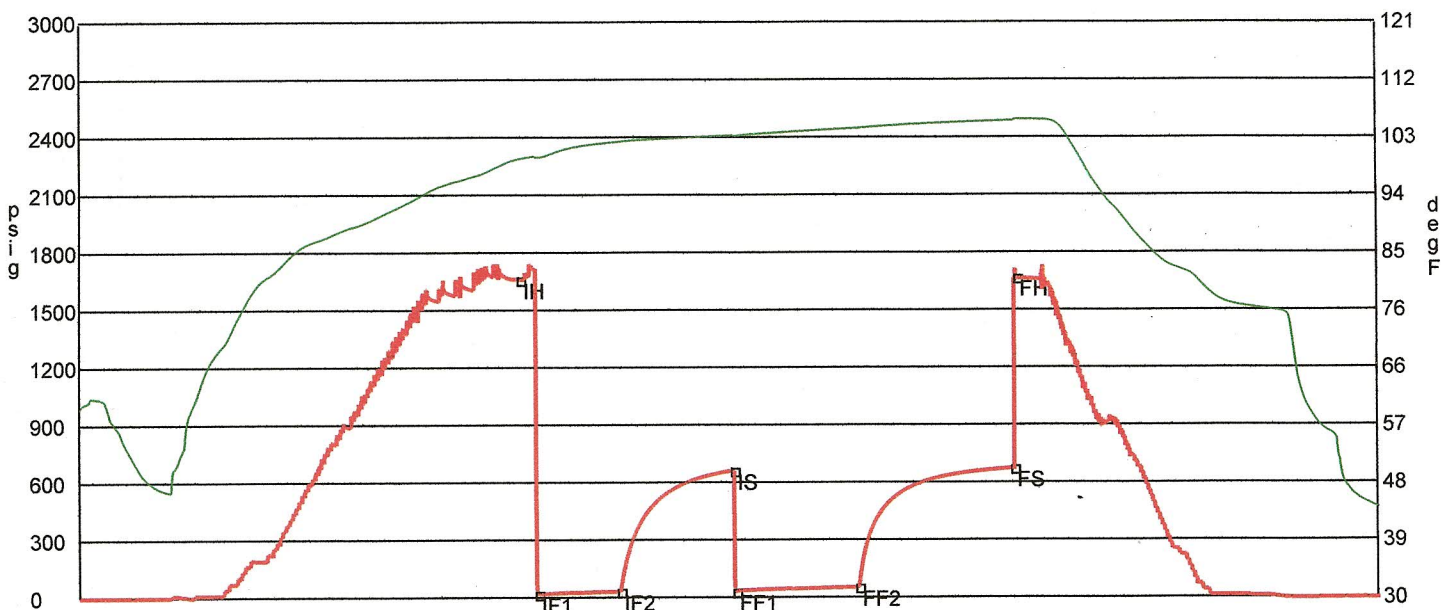
Comments

GENERAL INFORMATION

Test # 2	Test Date 1/22/2012	Chokes 3/4	Hole Size 7 7/8
Tester Johnny Lynch		Top Recorder # 13310	
Test Type Conventional Bottom Hole		Mid Recorder # w1023	
		Bott Recorder # w1119	
# of Packers 2.0	Packer Size 6 3/4	Mileage 140	Approved By
		Standby Time	
Mud Type Gel Chem		Extra Equipmnt Jars and safty joint.	
Mud Weight 9.3	Viscosity 45.0	Time on Site 10:00 PM	
Filtrate 9.2	Chlorides 9500	Tool Picked Up 1:30 AM	
		Tool Layed Dwn 8:45 AM	
Drill Collar Len 0		Elevation 1518.00	Kelley Bushings 1528.00
Wght Pipe Len 0			
Formation Mississippi		Start Date/Time 1/22/2012 1:11 AM	
Interval Top 3454.0	Bottom 3466.0	End Date/Time 1/22/2012 9:19 AM	
Anchor Len Below 12.0	Between 0		
Total Depth 3466.0			
Blow Type Strong blow throughout initial flow period. Strong blow throughout final flow period, gas to surface in 2 min. Times 30, 45, 45, 60.			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
60	Mud and Water	0% 0ft	0% 0ft	50% 30ft	50% 30ft
DST Fluids 60000					



	Date	Time	Pressure	Temp	
IH	1/22/2012 3:57:05 AM	2.768056	1659.554	99.398	Initial Hydro-static
IF1	1/22/2012 4:03:25 AM	2.873611	17.87	99.631	Initial Flow (1)
IF2	1/22/2012 4:34:25 AM	3.390278	30.234	102.089	Initial Flow (2)
IS	1/22/2012 5:17:20 AM	4.105556	660.814	103.063	Initial Shut-In
FF1	1/22/2012 5:17:55 AM	4.115278	29.461	102.991	Final Flow (1)
FF2	1/22/2012 6:04:15 AM	4.8875	51.616	104.197	Final Flow (2)
FS	1/22/2012 7:02:45 AM	5.8625	673.376	105.417	Final Shut-In
FH	1/22/2012 7:03:50 AM	5.880556	1668.116	105.581	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
0	20	3.37 mcf	4.00 h2o	0.25 in
0	30	3.58 mcf	4.50 h2o	0.25 in
0	40	3.71 mcf	5.00 h2o	0.25 in

Company	Rupe Oil Company, Inc	Lease Name	Redjaw	
Address	P.O. Box 783010	Lease #	7-2	
CSZ	Wichita, KS 67202	Legal Desc	S/2-SE-NE-NE	Job Ticket 6001
Attn.	Larry Friend	Section	7	Range 5w
		Township	25s	
		County	Reno	State KS
		Drilling Cont	Val Rig 2	

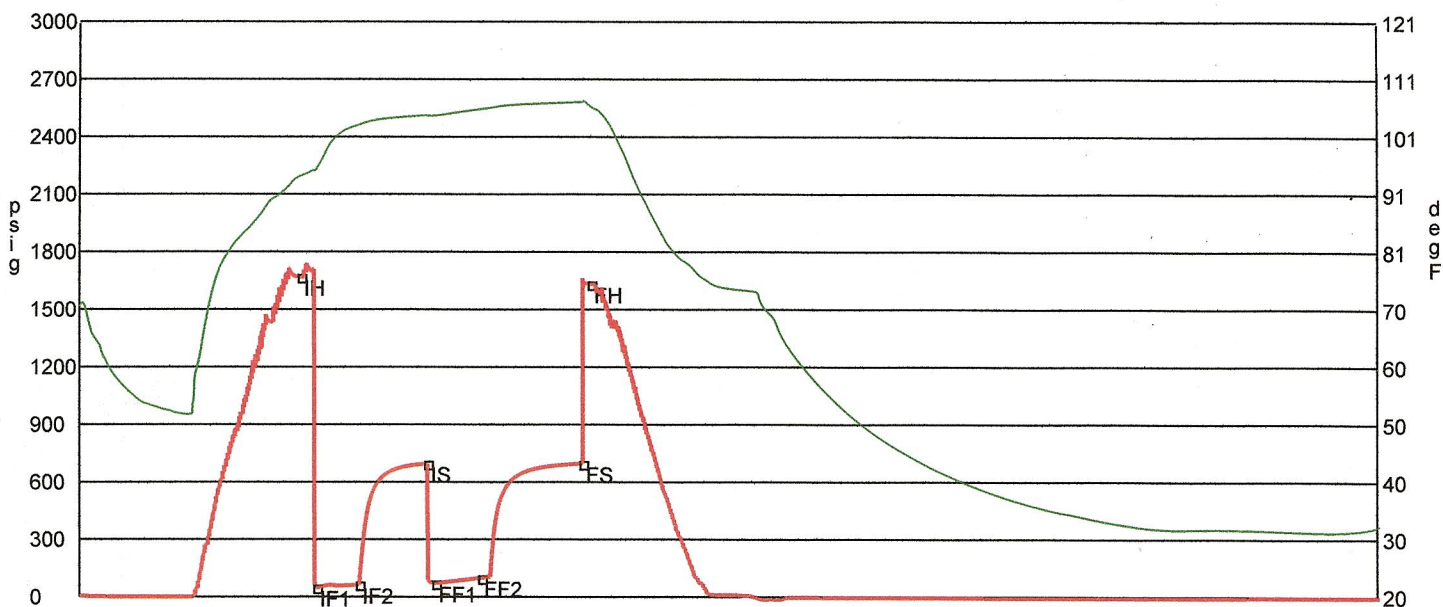
Comments

GENERAL INFORMATION

Test # 3	Test Date 1/23/2012	Chokes 3/4	Hole Size 7 7/8
Tester Johnny Lynch		Top Recorder # 13310	
Test Type Conventional Bottom Hole		Mid Recorder #	
		Bott Recorder # w1119	
# of Packers 2.0	Packer Size 6 3/4	Mileage 25	Approved By
Mud Type Gel Chem		Standby Time 0	
Mud Weight 9.3	Viscosity 48.0	Extra Equipmnt Jars and Safty joint	
Filtrate 10.4	Chlorides 9700	Time on Site 3:30 PM	
Drill Collar Len 0		Tool Picked Up 5:13 PM	
Wght Pipe Len 0		Tool Layed Dwn 1:30 AM	
Formation Mississippi		Elevation 1518.00	Kelley Bushings 1528.00
Interval Top 3466.0	Bottom 3482.0	Start Date/Time 1/23/2012 5:13 PM	
Anchor Len Below 16.0	Between 0	End Date/Time 1/24/2012 8:32 AM	
Total Depth 3482.0			
Blow Type Weak blow biulding to strong blow 2 min. into initial flow period. Weak blow biulding to strong blow 1 min. into final flow period. Gas to surface 14 min. into final flow period. Times 30, 45, 45, 45.			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
20	Mud cut Water	0% 0ft	0% 0ft	68% 13.6ft	32% 6.4ft
DST Fluids 60000					



	Date	Time	Pressure	Temp	
IH	1/23/2012 7:48:50 PM	2.597222	1669.521	93.952	Initial Hydro-static
IF1	1/23/2012 7:59:40 PM	2.777778	47.663	94.998	Initial Flow (1)
IF2	1/23/2012 8:29:50 PM	3.280556	63.523	102.839	Initial Flow (2)
IS	1/23/2012 9:18:20 PM	4.088889	695.981	104.592	Initial Shut-In
FF1	1/23/2012 9:23:50 PM	4.180556	71.115	104.514	Final Flow (1)
FF2	1/23/2012 9:56:10 PM	4.719444	97.729	105.633	Final Flow (2)
FS	1/23/2012 11:08:20 PM	5.922222	696.143	106.921	Final Shut-In
FH	1/23/2012 11:14:20 PM	6.022222	1632.505	106.145	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
0	25	3.37 mcf	4.00 h2o	0.25 in
0	35	3.11 mcf	3.40 h2o	0.25 in
0	45	3.19 mcf	3.60 h2o	0.25 in

Company Address CSZ Attn.	Rupe Oil Company, Inc P.O. Box 783010 Wichita, KS 67202 Larry Friend	Lease Name Lease # Legal Desc Section Township County Drilling Cont	Redjaw 7-2 S/2-SE-NE-NE 7 25s Reno Val Rig 2	Job Ticket Range State	6001 5w KS
------------------------------------	---	---	---	------------------------------	---------------------------------------

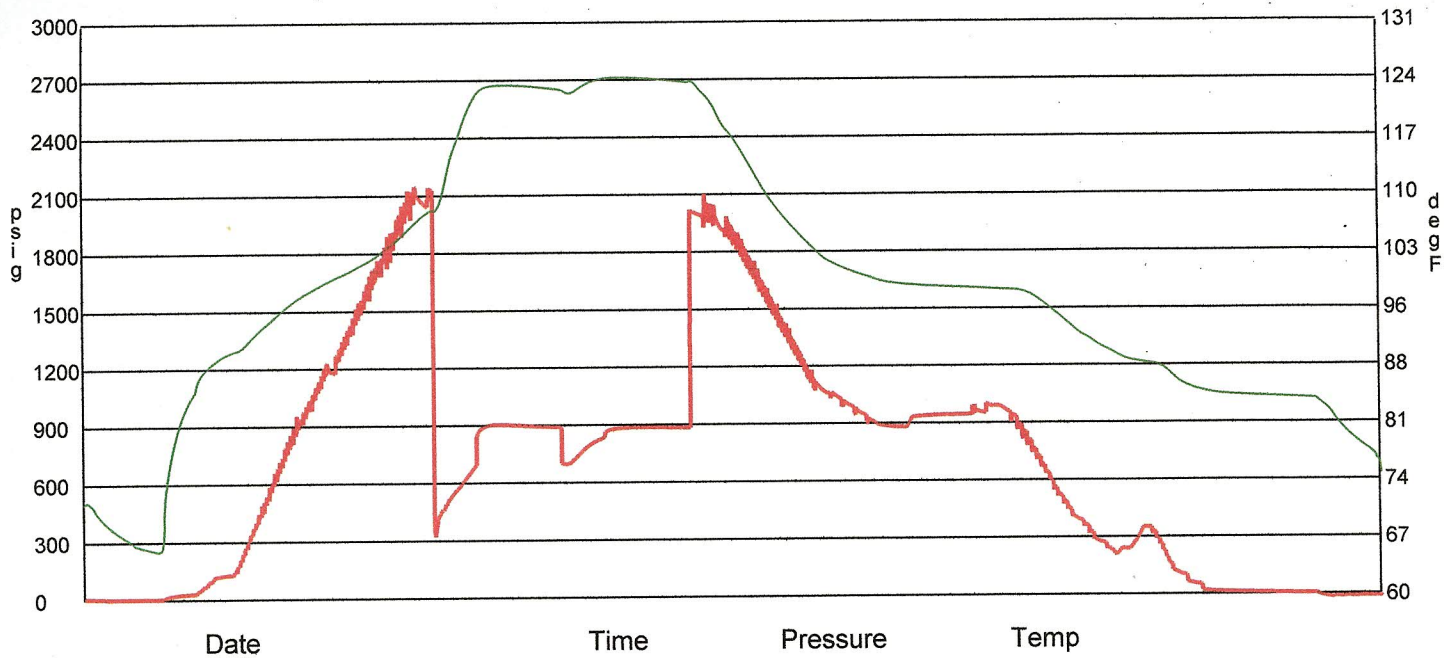
Comments **Test #4 no electronic recorder ran, the chart is a good likeness derived from the mechanical chart.**

GENERAL INFORMATION

Test # 4	Test Date	1/24/2012	Chokes	3/4	Hole Size	7 7/8
Tester	Johnny Lynch		Top Recorder #			
Test Type	Conventional Bottom Hole		Mid Recorder #	13310		
	Mis-run		Bott Recorder #			
# of Packers	2.0	Packer Size	6 3/4	Mileage	25	Approved By
Mud Type	Gel Chem		Standby Time	0	Extra Equipmnt Jars and Safty Joints	
Mud Weight	9.3	Viscosity	48.0	Time on Site	8:00 PM	
Filtrate	10.4	Chlorides	9700	Tool Picked Up	9:00 PM	
				Tool Layed Dwn	5:30 AM	
Drill Collar Len	0		Elevation	1518.00	Kelley Bushings	1528.00
Wght Pipe Len	0		Start Date/Time	1/24/2012		
Formation	Arbuckle		End Date/Time	1/25/2012		
Interval Top	3871.0	Bottom	3939.0			
Anchor Len Below	68.0	Between	0			
Total Depth	3939.0					
Blow Type	Weak blow building to strong blow 2 mins. into initial flow period. Gas to surface 10 min. into initial flow period. Weak blow building to 6 inches final flow period. Times 30, 45, 45, 60. Initial hydrostatic mud - 1976 Initial flow - 326 to 925 Initial shut-in - 1450 Final hydrostatic mud - 1959					

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
2790	Salt Water with trace mud	0% 0ft	0% 0ft	100% 2790ft	trace
DST Fluids	140000				



GAS FLOWS

<u>Min Into IFP</u>	<u>Min Into FFP</u>	<u>Gas Flows</u>	<u>Pressure</u>	<u>Choke</u>
10	0	6.25 mcf	16.00 h2o	0.25 in
20	0	3.19 mcf	3.50 h2o	0.25 in
30	0	0 mcf	0 h2o	0.25 in
40	0	0 mcf	0 h2o	0.25 in
45	0	0 mcf	0 h2o	0.25 in