

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 3581

Name: Red Oak Energy, Inc.

Address 200 W. Douglas, Suite 510

City/State/Zip Wichita, KS 67202

Purchaser: Koch Oil Company

Operator Contact Person: Kevin C. Davis

Phone (316) 265-9925

Contractor: Name: Murfin Drilling Company, Inc.

License: 30606

Wellsite Geologist: Scott Banks

Designate Type of completion  
 New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back \_\_\_\_\_ PBDT  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

03-21-97 03-30-97 4/14/97  
Spud Date Date Reached TD Completion Date

API NO. 15- 199-202460000

County Wallace

E/2 - SE - NE - Sec. 31 Twp. 15S Rge. 41  E W

1884 Feet from S N (circle one) Line of Section

200 Feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW. (circle one)

Lease Name O.F.L. Well # 3-31

Field Name SE Mt. Sunflower

Producing Formation Morrow

Elevation: Ground 3786 KB \_\_\_\_\_

Total Depth 5200' PBDT \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 377 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 1950 Feet

If Alternate II completion, cement circulated from 1950  
feet depth to Surface w/ 225 sx cmt.

Drilling Fluid Management Plan A14.2 1-26-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content N/A ppm Fluid volume 600 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. S E W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

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KANSAS CORP COM  
JUN 20 1997

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature Kevin C. Davis

Title President Date 6/13/97

Subscribed and sworn to before me this 13 day of June 1997.

Notary Public Victoria Davis

Date Commission Expires October 21, 1997



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

Operator name Red Oak Energy, Inc.

Lease Name O.F.L. Well # 3-31

Sec. 31 Twp. 15S Rge. 41

- East  
 West

County Wallace

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>BASY ANHYDRITE</td> <td>2756</td> <td>+1042</td> </tr> <tr> <td>CHEROKEE</td> <td>4716</td> <td>- 918</td> </tr> <tr> <td>MORROW SHALE</td> <td>4962</td> <td>-1164</td> </tr> <tr> <td>LOWER MORROW S</td> <td>5041</td> <td>-1243</td> </tr> <tr> <td>MORROW LIME</td> <td>5069</td> <td>-1291</td> </tr> <tr> <td>MISS.</td> <td>5150</td> <td>-1352</td> </tr> </tbody> </table>	Name	Top	Datum	BASY ANHYDRITE	2756	+1042	CHEROKEE	4716	- 918	MORROW SHALE	4962	-1164	LOWER MORROW S	5041	-1243	MORROW LIME	5069	-1291	MISS.	5150	-1352
Name	Top	Datum																						
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LOWER MORROW S	5041	-1243																						
MORROW LIME	5069	-1291																						
MISS.	5150	-1352																						
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No																						
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No																						
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No																						
List All E.Logs Run:	Density Neutron Dual Induction Cement Bond Log																							

CASING RECORD <u>New</u> <u>Used</u>							
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 (used)	12 1/4"	8 5/8"	28	377'	60/40 Poz, 3% CC, 2% gel	250	
Production (new)	7 7/8"	5 1/2"	15.5	5202	Class A	150	5% KCL, 75% Hal

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top/Btm	Type of Cement	# Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Csg <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	DV 1950'	Midcon -2	225	3% Cac1 .375#/sk. Flocele

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
4	5048 - 5058	Natural	

TUBING RECORD	Size <u>2 7/8"</u> Set At <u>5122</u> Packer At <u>N/A</u>	Liner Run <u>Yes</u> <input checked="" type="checkbox"/> No
---------------	------------------------------------------------------------	-------------------------------------------------------------

Date of First, Resumed Production, SWD or Inj. <u>April 19, 1997</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other
----------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------

Estimated Production Per 24 Hours	Oil Bbls <u>135</u>	Gas Mcf <u>50</u>	Water Bbls <u>0</u>	Gas-Oil Ratio	Gravity
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Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 5048 - 5058



TICKET #	812	TICKET DATE	3-30-97
REGION	North America	BDA / STATE	KS
NWA/COUNTRY	OK Cont.	COUNTY	
MBU ID / EMP #		PSL DEPARTMENT	ment 301
LOCATION		CUSTOMER REP / PHONE	15-199-20246-00-00
TICKET AMOUNT		API / UWI #	
WELL LOCATION		JOB PURPOSE CODE	ORIGINAL
LEASE / WELL #		SEC / TWP / RNG	

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
3-29-97	22:00							Call Out
3-30-97	4:45							On Location
	5:05							Safety Meeting: Rig up
	8:00							Run Float Equipment
	11:05							Drop Ball
	11:06							Circulate hole with Rig Pump (Ball went through)
	11:56	3	500 gal	✓		170		Pump med Flush
	12:00	6	34.46	✓		250		Mix & Pump CMT (15.6 % gal)
	12:08							Shut down
	12:09							Wash Pumps & Lines
	12:10							Drop Dart Plug (Well was on a vacuum)
	12:11	6	123.99	✓		140		Start Displacement - Pumped Displacement
						275		total + 2 bbls over. Plug didn't land.
	12:43							Release Pressure back & Plug held
	12:45							Drop opening device (Bomb) waited 25 min
	13:20	3	3	✓		650		D.V. Tool Opens
								Rig up - Rig pump to circulate for 45 min (2:30) hr
								2nd Stage
	15:50							Load Closing Plug
	16:00	3	5	✓		41		588 H <sub>2</sub> O Ahead
	16:03	6.5	108.96	✓		100		Mix & Pump CMT (Lead 11.1 % gal)
	16:17	6.5	12.46	✓		106		" (Tail 12.8 % gal)
	16:22							Shut down & Drop Plug
	16:23	6.5	46.51	✓		80		Start Displacement - Slow Rate down 26pm
	16:37					407		Land Plug
	16:38			✓		1375		Close Tool
								<Cement Circulated = 3661 Slk to the pit. ✓
								Thank You
								John - JASON

RECEIVED  
 KANSAS CIVIL  
 1997 JUN 20 PM 1:02

# ALLIED CEMENTING CO., INC. 5082

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

ORIGINAL

15-199-20246-00-00

SERVICE POINT:

Oakley

DATE <u>3-21-97</u>	SEC. <u>31</u>	TWP. <u>15s</u>	RANGE <u>H1W</u>	CALLED OUT	ON LOCATION <u>5:00 PM</u>	JOB START <u>8:15 PM</u>	JOB FINISH <u>8:40 PM</u>
LEASE <u>OFL</u>	WELL# <u>3</u>	LOCATION <u>Sharon Springs 155 9w 3/4 N</u>			COUNTY <u>Wallace</u>	STATE <u>KS</u>	

OLD OR NEW (Circle one)

CONTRACTOR Murfin Drlg Rig 14

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 383'

CASING SIZE 8 5/8 DEPTH 383

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 38'

CEMENT LEFT IN CSG. 38'

PERFS.

OWNER Same

CEMENT

AMOUNT ORDERED 250 sks 60/40 poz  
30" cc 25" gel

COMMON	<u>150</u>	SKS	@	<u>7.20</u>	<u>1,080.00</u>
POZMIX	<u>100</u>	SKS	@	<u>3.15</u>	<u>315.00</u>
GEL	<u>4</u>	SKS	@	<u>9.50</u>	<u>38.00</u>
CHLORIDE	<u>8</u>	SKS	@	<u>28.00</u>	<u>224.00</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Dean

# 300 HELPER Wayne

BULK TRUCK

# 218 DRIVER Jeff

BULK TRUCK

# DRIVER

HANDLING	<u>250</u>	SKS	@	<u>1.05</u>	<u>262.50</u>
MILEAGE	<u>4¢ per sk/mile</u>				<u>800.00</u>

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JUN 20 1997

**REMARKS:**

Cement did circulate ✓

**SERVICE**

DEPTH OF JOB	<u>383'</u>				
PUMP TRUCK CHARGE					<u>445.00</u>
EXTRA FOOTAGE	<u>83'</u>	@	<u>4.14</u>		<u>34.23</u>
MILEAGE	<u>80-miles</u>	@	<u>2.85</u>		<u>228.00</u>
PLUG	<u>Surface</u>	@			<u>45.00</u>

Thank you

CHARGE TO: Red Oak Energy Inc

STREET 200 W Douglas #500

CITY Wichita STATE Kansas ZIP 67202

# 74738  
3/21/97  
4/15/97

TOTAL 252.03

**FLOAT EQUIPMENT**

Vendor Number	GL Number	Property Number	STATE	Cost Class	Investor Number	Type		
<u>ALLI</u>	<u>040000</u>	<u>OFL#3</u>	<u>KS</u>	<u>1.00</u>			<u>Gaffle Plate</u>	<u>135.00</u>
							<u>Centralizers</u>	<u>122.00</u>
							<u>3169.26</u>	
							<u>* Discount Cement</u>	
								TOTAL <u>257.00</u>

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE [Signature]

## DST REPORT

## GENERAL INFORMATION

DATE : 3/28/97  
 CUSTOMER : RED OAK ENERGY  
 WELL : #3-31 TEST: 1  
 ELEVATION: 3796 KB  
 SECTION : 31  
 RANGE : 41W COUNTY: WALLACE  
 GAUGE SN#: 10242 RANGE : 4100

TICKET : 21725  
 LEASE : O.F.L.  
 GEOLOGIST: BANKS  
 FORMATION: MORROW  
 TOWNSHIP : 15S  
 STATE : KS  
 CLOCK : 12

15-199-20246-00-00

## WELL INFORMATION

PERFORATION INTERVAL FROM: 4983.00 ft TO: 5053.00 ft TVD: 5053.0 ft  
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
 DEPTH OF RECORDERS: 5010.0 ft 5013.0 ft  
 TEMPERATURE: 122.0

DRILL COLLAR LENGTH: 630.0 ft I.D.: 2.250 in  
 WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
 DRILL PIPE LENGTH : 4325.0 ft I.D.: 3.800 in  
 TEST TOOL LENGTH : 28.0 ft TOOL SIZE : 5.500 in  
 ANCHOR LENGTH : 70.0 ft ANCHOR SIZE: 5.500 in  
 SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in  
 MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH  
 PACKER DEPTH: 4978.0 ft SIZE: 6.630 in  
 PACKER DEPTH: 4983.0 ft SIZE: 6.630 in  
 PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
 PACKER DEPTH: 0.0 ft SIZE: 0.000 in

## MUD INFORMATION

DRILLING CON. : MURFIN RIG 14  
 MUD TYPE : CHEMICAL  
 WEIGHT : 9.200 ppg  
 CHLORIDES : 3000 ppm  
 JARS-MAKE : WTC  
 DID WELL FLOW?: NO

VISCOSITY : 60.00 cp  
 WATER LOSS: 8.000 cc  
 SERIAL NUMBER: 408  
 REVERSED OUT?: NO

## COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - OFF BOTTOM OF  
 BUCKET IN 90 SECONDS. GAS TO SURFACE IN 5 MINUTES.  
 SEE FLOW CHART. FINAL FLOW PERIOD FLOWING HEAVY

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

MIST OF MUD IN 9 MINUTES. HEAVY MIST OF OIL IN 16 MINUTES.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
585.0	80.0	20.0	0.0	0.0	CLEAN GASSY OIL
0.0	0.0	0.0	0.0	0.0	39 GRAVITY @ 60 DEGREES F
90.0	17.0	46.0	5.0	32.0	HVY OIL & GAS, SL WTR C/MUD
90.0	8.0	18.0	12.0	62.0	OIL & WTR C/GASSY MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 6000 PPM

RATE INFORMATION

OIL VOLUME: 3.3958 STB	TOTAL FLOW TIME: 75.0000 min.
GAS VOLUME: 6.2019 SCF	AVERAGE OIL RATE: 69.4076 STB/D
MUD VOLUME: 0.4160 STB	AVERAGE WATER RATE: 5.2236 STB/D
WATER VOLUME: 0.0752 STB	
TOTAL FLUID : 3.8870 STB	

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2505.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	547.00	603.00
INITIAL SHUT-IN	45.00		642.00
FINAL FLOW	45.00	622.00	628.00
FINAL SHUT-IN	60.00		642.00

FINAL HYDROSTATIC PRESSURE: 2492.00

15-199-20246-00-00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2500.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	554.32	607.45
INITIAL SHUT-IN	45.00		644.03
FINAL FLOW	45.00	621.39	621.39
FINAL SHUT-IN	60.00		644.90
FINAL HYDROSTATIC PRESSURE:	2487.00		



01-00-3N675-MN1-21

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 3/28/97	TICKET : 21725
CUSTOMER : RED OAK ENERGY	LEASE : O.F.L.
WELL : #3-31	TEST: 1
ELEVATION: 3796 KB	GEOLOGIST: BANKS
SECTION : 31	FORMATION: MORROW
RANGE : 41W	TOWNSHIP : 15S
GAUGE SN#: 10242	COUNTY: WALLACE
	STATE : KS
	RANGE : 4100
	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
6 MIN	MERLA	1.000	16 PSIG	627000 SCF/D
10 MIN	MERLA	1.000	25 PSIG	840000 SCF/D
15 MIN	MERLA	1.000	32 PSIG	994000 SCF/D
20 MIN	MERLA	1.000	32 PSIG	994000 SCF/D
25 MIN	MERLA	1.000	30 PSIG	951000 SCF/D
30 MIN	MERLA	1.000	27 PSIG	887000 SCF/D
		0.000	HVY MIST OF	0 SCF/D
		0.000	MUD FINAL	0 SCF/D
		0.000	MINUTE OF	0 SCF/D
		0.000	IFP	0 SCF/D
		0.000	GAS BURNED	0 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN	MERLA	0.500	5 PSIG	78100 SCF/D
9 MIN		0.000	BLOWING V HV	0 SCF/D
		0.000	MIST OF MUD	0 SCF/D
		0.000	PULLED CHOKE	0 SCF/D
16 MIN		0.000	BLOWING V HV	0 SCF/D
		0.000	MIST OF OIL	0 SCF/D

15-199-20246-00-00

Company: RED OAK ENERGY  
Well: #3-31 O.F.L.  
Field: TKT 21725 DST 1

[Friday: Mar. 28, 1997]  
Page 1

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
START FLOW 1				
1	0	14:50: 7	0.0000	554.32
5	0	14:50:36	0.0080	556.06
10	0	14:51:12	0.0180	557.80
15	0	14:51:48	0.0280	559.55
20	0	14:52:24	0.0380	561.29
25	0	14:53: 0	0.0480	563.03
30	0	14:53:36	0.0580	565.64
35	0	14:54:12	0.0679	568.26
40	0	14:54:48	0.0779	574.35
45	0	14:55:24	0.0879	576.97
50	0	14:56: 0	0.0979	577.84
55	0	14:56:36	0.1079	578.71
60	0	14:57:12	0.1179	579.58
65	0	14:57:48	0.1279	582.19
70	0	14:58:24	0.1379	583.93
75	0	14:59: 0	0.1479	583.93
80	0	14:59:36	0.1579	585.68
85	0	15: 0:11	0.1679	586.55
90	0	15: 0:47	0.1778	587.42
95	0	15: 1:23	0.1878	587.42
100	0	15: 1:59	0.1978	589.16
105	0	15: 2:35	0.2078	590.90
110	0	15: 3:11	0.2178	590.90
115	0	15: 3:47	0.2278	591.77
120	0	15: 4:23	0.2378	592.64
125	0	15: 4:59	0.2478	594.39
130	0	15: 5:35	0.2578	594.39
135	0	15: 6:11	0.2678	595.26
140	0	15: 6:47	0.2778	596.13
145	0	15: 7:23	0.2878	597.00
150	0	15: 7:59	0.2977	597.87
155	0	15: 8:35	0.3077	597.87
160	0	15: 9:11	0.3177	598.74
165	0	15: 9:47	0.3277	599.61
170	0	15:10:23	0.3377	600.48
175	0	15:10:59	0.3477	601.35
180	0	15:11:35	0.3577	602.22
185	0	15:12:11	0.3677	603.09
190	0	15:12:47	0.3777	603.97
195	0	15:13:23	0.3877	603.97
200	0	15:13:59	0.3977	604.84
205	0	15:14:35	0.4077	605.71
210	0	15:15:11	0.4176	605.71
215	0	15:15:47	0.4276	605.71
220	0	15:16:23	0.4376	607.45
END FLOW 1				
START SHUTIN 1				
223	0	15:16:44	0.4436	612.68
225	0	15:16:59	0.4476	616.16
230	0	15:17:35	0.4576	621.39
235	0	15:18:11	0.4676	625.74
240	0	15:18:47	0.4776	627.48
245	0	15:19:23	0.4876	629.22
250	0	15:19:58	0.4976	631.84

000-0115-001-21

Company: RED OAK ENERGY  
Well: #3-31 O.F.L.  
Field: TKT 21725 DST 1

[Friday: Mar. 28, 1997]  
Page 2

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
255	0	15:20:34	0.5076	632.71
260	0	15:21:10	0.5176	634.45
265	0	15:21:46	0.5276	636.19
270	0	15:22:22	0.5376	637.06
275	0	15:22:58	0.5475	637.93
280	0	15:23:34	0.5575	639.68
285	0	15:24:10	0.5675	639.68
290	0	15:24:46	0.5775	640.55
295	0	15:25:22	0.5875	641.42
300	0	15:25:58	0.5975	641.42
305	0	15:26:34	0.6075	642.29
310	0	15:27:10	0.6175	642.29
315	0	15:27:46	0.6275	642.29
320	0	15:28:22	0.6375	643.16
325	0	15:28:58	0.6475	643.16
330	0	15:29:34	0.6575	643.16
335	0	15:30:10	0.6674	643.16
340	0	15:30:46	0.6774	643.16
345	0	15:31:22	0.6874	643.16
350	0	15:31:58	0.6974	643.16
355	0	15:32:34	0.7074	644.03
360	0	15:33:10	0.7174	644.03
365	0	15:33:46	0.7274	644.03
370	0	15:34:22	0.7374	644.03
375	0	15:34:58	0.7474	644.03
380	0	15:35:34	0.7574	644.03
385	0	15:36:10	0.7674	644.03
390	0	15:36:46	0.7774	644.03
395	0	15:37:22	0.7873	644.03
400	0	15:37:58	0.7973	644.03
405	0	15:38:34	0.8073	644.03
410	0	15:39:10	0.8173	644.03
415	0	15:39:46	0.8273	644.03
420	0	15:40:21	0.8373	644.03
425	0	15:40:57	0.8473	644.03
430	0	15:41:33	0.8573	644.03
435	0	15:42: 9	0.8673	644.03
440	0	15:42:45	0.8773	644.03
445	0	15:43:21	0.8873	644.03
450	0	15:43:57	0.8972	644.03
455	0	15:44:33	0.9072	644.03
460	0	15:45: 9	0.9172	644.03
465	0	15:45:45	0.9272	644.03
470	0	15:46:21	0.9372	644.03
475	0	15:46:57	0.9472	644.03
480	0	15:47:33	0.9572	644.03
485	0	15:48: 9	0.9672	644.03
490	0	15:48:45	0.9772	644.03
495	0	15:49:21	0.9872	644.03
500	0	15:49:57	0.9972	644.03
505	0	15:50:33	1.0072	644.03
510	0	15:51: 9	1.0172	644.03
515	0	15:51:45	1.0271	644.03
520	0	15:52:21	1.0371	644.03
525	0	15:52:57	1.0471	644.03

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
530	0	15:53:33	1.0571	644.03
535	0	15:54: 9	1.0671	644.03
540	0	15:54:45	1.0771	644.03
545	0	15:55:21	1.0871	644.03
550	0	15:55:57	1.0971	644.03
555	0	15:56:33	1.1071	644.03
560	0	15:57: 9	1.1171	644.03
565	0	15:57:45	1.1271	644.03
570	0	15:58:21	1.1371	644.03
575	0	15:58:57	1.1470	644.03
580	0	15:59:33	1.1570	644.03
		END SHUTIN 1		
		START FLOW 2		
585	0	16: 0:59	1.1810	621.39
590	0	16: 1:35	1.1910	620.51
595	0	16: 2:11	1.2010	619.64
600	0	16: 2:47	1.2110	618.77
605	0	16: 3:23	1.2210	617.90
610	0	16: 3:59	1.2310	617.90
615	0	16: 4:35	1.2410	617.90
620	0	16: 5:11	1.2510	617.90
625	0	16: 5:47	1.2609	617.90
630	0	16: 6:23	1.2709	617.90
635	0	16: 6:59	1.2809	617.90
640	0	16: 7:35	1.2909	618.77
645	0	16: 8:10	1.3009	618.77
650	0	16: 8:46	1.3109	618.77
655	0	16: 9:22	1.3209	619.64
660	0	16: 9:58	1.3309	619.64
665	0	16:10:34	1.3409	620.51
670	0	16:11:10	1.3509	620.51
675	0	16:11:46	1.3609	622.26
680	0	16:12:22	1.3709	622.26
685	0	16:12:58	1.3809	623.13
690	0	16:13:34	1.3908	623.13
695	0	16:14:10	1.4008	623.13
700	0	16:14:46	1.4108	624.00
705	0	16:15:22	1.4208	624.87
710	0	16:15:58	1.4308	625.74
715	0	16:16:34	1.4408	625.74
720	0	16:17:10	1.4508	626.61
725	0	16:17:46	1.4608	626.61
730	0	16:18:22	1.4708	626.61
735	0	16:18:58	1.4808	626.61
740	0	16:19:34	1.4908	626.61
745	0	16:20:10	1.5008	626.61
750	0	16:20:46	1.5107	626.61
755	0	16:21:22	1.5207	626.61
760	0	16:21:58	1.5307	625.74
765	0	16:22:34	1.5407	625.74
770	0	16:23:10	1.5507	625.74
775	0	16:23:46	1.5607	624.87
780	0	16:24:22	1.5707	624.00
785	0	16:24:58	1.5807	624.00
790	0	16:25:34	1.5907	624.00

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
795	0	16:26:10	1.6027	623.13
800	0	16:26:46	1.6127	622.26
805	0	16:27:22	1.6227	622.26
810	0	16:27:58	1.6326	622.26
815	0	16:28:33	1.6426	622.26
820	0	16:29: 9	1.6526	621.39
825	0	16:29:45	1.6626	621.39
830	0	16:30:21	1.6726	621.39
835	0	16:30:57	1.6826	621.39
840	0	16:31:33	1.6926	621.39
845	0	16:32: 9	1.7026	621.39
850	0	16:32:45	1.7126	621.39
855	0	16:33:21	1.7226	621.39
860	0	16:33:57	1.7326	621.39
865	0	16:34:33	1.7426	621.39
870	0	16:35: 9	1.7525	621.39
875	0	16:35:45	1.7625	621.39
880	0	16:36:21	1.7725	621.39
885	0	16:36:57	1.7825	621.39
890	0	16:37:33	1.7925	621.39
895	0	16:38: 9	1.8025	621.39
900	0	16:38:45	1.8125	621.39
905	0	16:39:21	1.8225	621.39
910	0	16:39:57	1.8325	621.39
915	0	16:40:33	1.8425	621.39
920	0	16:41: 9	1.8525	621.39
925	0	16:41:45	1.8625	621.39
930	0	16:42:21	1.8724	621.39
935	0	16:42:57	1.8824	621.39
940	0	16:43:33	1.8924	621.39
945	0	16:44: 9	1.9024	621.39
END FLOW 2				
START SHUTIN 2				
950	0	16:44:45	1.9124	624.00
955	0	16:45:21	1.9224	625.74
960	0	16:45:57	1.9324	627.48
965	0	16:46:33	1.9424	629.22
970	0	16:47: 9	1.9524	630.09
975	0	16:47:44	1.9624	631.84
980	0	16:48:20	1.9724	632.71
985	0	16:48:56	1.9823	634.45
990	0	16:49:32	1.9923	635.32
995	0	16:50: 8	2.0023	636.19
1000	0	16:50:44	2.0123	637.06
1005	0	16:51:20	2.0223	637.93
1010	0	16:51:56	2.0323	637.93
1015	0	16:52:32	2.0423	638.80
1020	0	16:53: 8	2.0523	638.80
1025	0	16:53:44	2.0623	639.68
1030	0	16:54:20	2.0723	639.68
1035	0	16:54:56	2.0823	639.68
1040	0	16:55:32	2.0923	639.68
1045	0	16:56: 8	2.1023	640.55
1050	0	16:56:44	2.1122	640.55

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1055	0	16:57:20	2.1202	640.55
1060	0	16:57:56	2.1302	641.42
1065	0	16:58:32	2.1402	642.29
1070	0	16:59: 8	2.1502	642.29
1075	0	16:59:44	2.1602	643.16
1080	0	17: 0:20	2.1702	643.16
1085	0	17: 0:56	2.1802	643.16
1090	0	17: 1:32	2.1902	644.03
1095	0	17: 2: 8	2.2002	644.03
1100	0	17: 2:44	2.2102	644.03
1105	0	17: 3:20	2.2201	644.03
1110	0	17: 3:56	2.2301	644.03
1115	0	17: 4:32	2.2401	644.03
1120	0	17: 5: 8	2.2501	644.03
1125	0	17: 5:44	2.2601	644.90
1130	0	17: 6:20	2.2701	644.90
1135	0	17: 6:56	2.2801	644.90
1140	0	17: 7:32	2.2901	644.90
1145	0	17: 8: 7	2.3001	644.90
1150	0	17: 8:43	2.3101	644.90
1155	0	17: 9:19	2.3201	644.90
1160	0	17: 9:55	2.3301	644.90
1165	0	17:10:31	2.3400	644.90
1170	0	17:11: 7	2.3500	644.90
1175	0	17:11:43	2.3600	644.90
1180	0	17:12:19	2.3700	644.90
1185	0	17:12:55	2.3800	644.90
1190	0	17:13:31	2.3900	644.90
1195	0	17:14: 7	2.4000	644.90
1200	0	17:14:43	2.4100	644.90
1205	0	17:15:19	2.4200	644.90
1210	0	17:15:55	2.4300	644.90
1215	0	17:16:31	2.4400	644.90
1220	0	17:17: 7	2.4500	644.90
1225	0	17:17:43	2.4599	644.90
1230	0	17:18:19	2.4699	644.90
1235	0	17:18:55	2.4799	644.90
1240	0	17:19:31	2.4899	644.90
1245	0	17:20: 7	2.4999	644.90
1250	0	17:20:43	2.5099	644.90
1255	0	17:21:19	2.5199	644.90
1260	0	17:21:55	2.5299	644.90
1265	0	17:22:31	2.5399	644.90
1270	0	17:23: 7	2.5499	644.90
1275	0	17:23:43	2.5599	644.90
1280	0	17:24:19	2.5699	644.90
1285	0	17:24:55	2.5798	644.90
1290	0	17:25:31	2.5898	644.90
1295	0	17:26: 7	2.5998	644.90
1300	0	17:26:43	2.6098	644.90
1305	0	17:27:19	2.6198	644.90
1310	0	17:27:55	2.6298	644.90
1315	0	17:28:30	2.6398	644.90
1320	0	17:29: 6	2.6498	644.90
1325	0	17:29:42	2.6598	644.90

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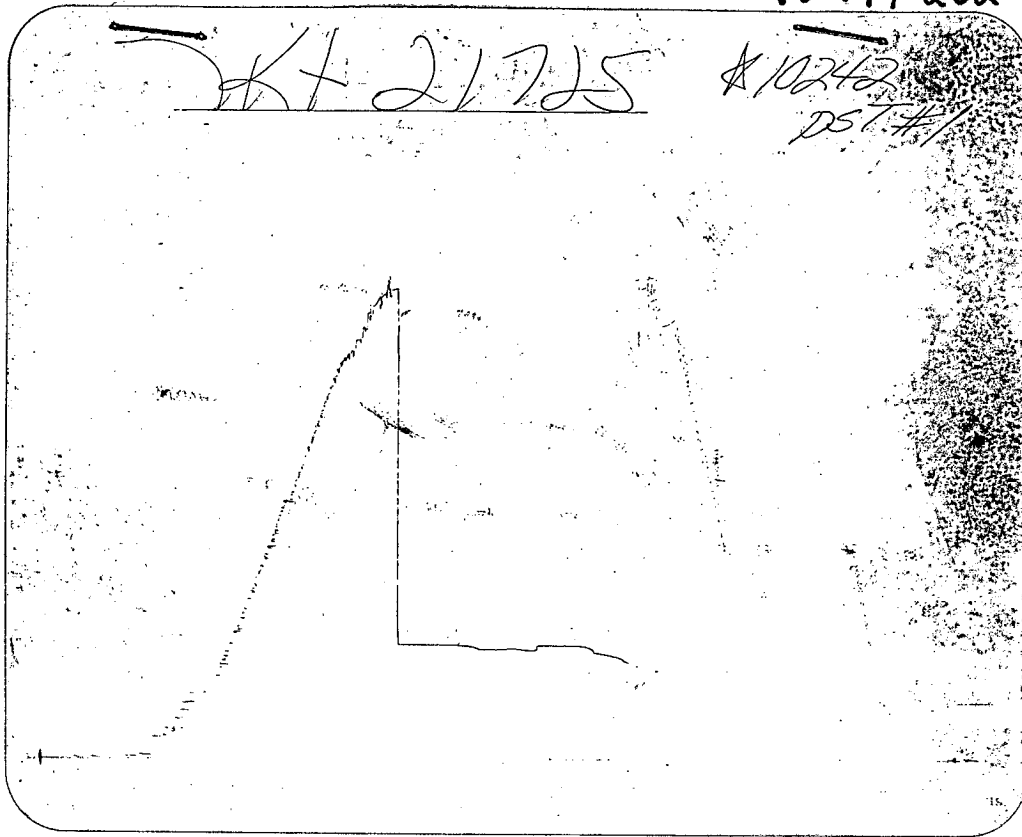
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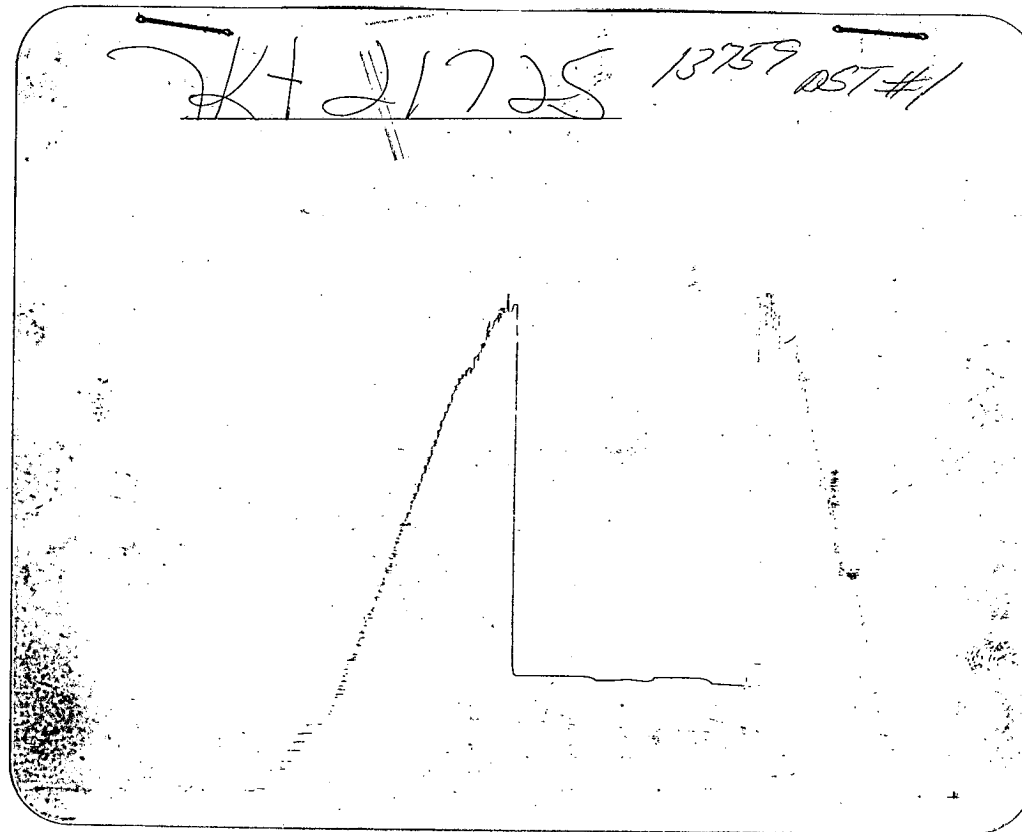
REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1330	0	17:30:18	2.6698	644.90
1335	0	17:30:54	2.6798	644.90
1340	0	17:31:30	2.6898	644.90
1345	0	17:32: 6	2.6997	644.90
1350	0	17:32:42	2.7097	644.90
1355	0	17:33:18	2.7197	644.90
1360	0	17:33:54	2.7297	644.90
1365	0	17:34:30	2.7397	644.90
1370	0	17:35: 6	2.7497	644.90
1375	0	17:35:42	2.7597	644.90
1380	0	17:36:18	2.7697	644.90
1385	0	17:36:54	2.7797	644.90
1390	0	17:37:30	2.7897	644.90
1395	0	17:38: 6	2.7997	644.90
1400	0	17:38:42	2.8097	644.90
1405	0	17:39:18	2.8196	644.90
1410	0	17:39:54	2.8296	644.90
1415	0	17:40:30	2.8396	644.90
1420	0	17:41: 6	2.8496	644.90
1425	0	17:41:42	2.8596	644.90
1430	0	17:42:18	2.8696	644.90
1435	0	17:42:54	2.8796	644.90
1440	0	17:43:30	2.8896	644.90
1445	0	17:44: 6	2.8996	644.90
1450	0	17:44:42	2.9096	644.90
1455	0	17:45:18	2.9196	644.90

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Inside Recorder



Outside Recorder