

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 _____ PBTB
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____

04-03-97 04-11-97 4/23/97
Spud Date Date Reached TD Completion Date

API NO. 15- 199-202450000

County Wallace

SW - SW - SE - Sec. 30 Twp. 15S Rge. 4E X W

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

2330 Feet from (E)W (circle one) Line of Section

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

Lease Name Nickelson A Well # 2-30

Field Name SE Mt. Sunflower

Producing Formation Morrow

Elevation: Ground 3794 KB 3803

Total Depth 5260' PBTB 5115'

Amount of Surface Pipe Set and Cemented at 374 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1920 Feet

If Alternate II completion, cement circulated from 1920

feet depth to surfacew/ 190 sx cmt.

Drilling Fluid Management Plan ALT 2 JN 10-2-97
(Data must be collected from the Reserve Pit)

Chloride content N/A ppm Fluid volume 600 bbls

Dewatering method used cut windows, let dry then backfill and restore

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____ License No. _____

____ Quarter Sec. ____ Twp. ____ S Rng. 4E/W

County _____ Docket No. _____

KANSAS CORPORATION COMMISSION
RECEIVED
06-20-97

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 6/10/97

Subscribed and sworn to before me this 10 day of June 1997.

Notary Public Victoria Davis

Date Commission Expires October 21, 1997

VICTORIA DAVIS
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 10/21/97

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 Nickelson A Well # 2-30

Sec. 30 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	
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	BASE ANHYDRITE	2760	+1043
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	CHEROKEE	4720	- 917
List All E.Logs Run:	Density - Neutron		MORROW SHALE	4961	-1158
	Dual Induction		UPPER MORROW SS	4996	-1194
	Bond Log		LOWER MORROW SS	5057	-1254
			MORROW LIME	5076	-1273
			MISS.	5112	-1309

CASING RECORD <u> </u> New <input checked="" 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 1/4"	8 5/8"	28	374'	60/40 Poz, 3% CC, 2% gel	250	3% cc 2% gel
Production	7 7/8"	5 1/2"	15.5	5153'	Class A	150	5% KCC .75 Hal

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top/Btm	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Csg <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0'-1920	Midcon 2	225	3% Cacl .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	5058 - 5066	Natural	

TUBING RECORD	Size <u>2 7/8"</u> Set At <u>5120</u> Packer At <u>N/A</u>	Liner Run <u> </u> Yes <input checked="" type="checkbox"/> No
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Date of First Resumed Production, SWD or Inj. <u>5/1/97</u>	Producing Method <u> </u> Flowing <input checked="" type="checkbox"/> Pumping <u> </u> Gas Lift <u> </u> Other
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Estimated Production Per 24 Hours	Oil <u>171</u> Bbls	Gas <u>TSTM</u> Mcf	Water <u>0</u> Bbls	Gas-Oil Ratio <u> </u>	Gravity <u>40</u>
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Disposition of Gas:

METHOD OF COMPLETION

Production Interval

- Vented Sold Used on Lease (If vented, submit ACO-18.)
- Open Hole Perf. Dually Comp. Commingled
- Other (Specify) _____



JOB LOG - MAL-2013-C

CUSTOMER RED OAK ENERGY WELL NO. 2-30 LEASE NECKELSON "A" JOB TYPE 5 1/2" LONG STRANG TICKET NO. 196274

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900	CT						CALLED OUT 4-11-97 ORIGINAL
	0100							ON LOCATION - DISCUSS JOB PROCEDURE
	1300	CT						START 5 1/2" CASING IN WELL DROP BALL - BOREHOLE CLEANING - ROTATE CASING
1	1445	6	12		✓	250		PUMP MUDFLUSH
	1447	6	20		✓	250		PUMP CEMENT II MUDFLUSH - SHUT OFF ROTATING
	1451	5	32.1		✓	200		MAX CEMENT
	1500							WASH OUT PUMP & LEVES
	1502							RELEASE 1ST STAGE PLUG
	1508	6 1/2	0		✓	500		DISPLACE PLUG (75.8 BBL H2O - 46 BBL MUD)
	1527		121.8			1500		PLUG DOWN - RELEASE PST - HELD
	1530							DROP D.V. OPEN PLUG
	1545				✓	750		OPEN D.V. TOOL - MUD PUMP CIRCULATE 4 HRS
	1925	7 1/2	121.5		✓	200		MAX CEMENT
	1940							WASH OUT PUMP & LEVES
	1941							RELEASE 2ND STAGE DV CLOSING PLUG
	1943	6	0		✓	350		DISPLACE PLUG
	1951		45.9			1700		PLUG DOWN - PST UP CLOSE DV TOOL
	1953					1700		RELEASE PST - HELD CIRCULATE 30 SKS CEMENT TO PST
	2100							WASH UP RISK UP JOB COMPLETE

RECEIVED
KANSAS CORP
APR 20 11:01 AM

THANK YOU
WAYNE, DAVE, LYAE

WELL DATA
 FIELD _____ SEC **30** TWP **15** RING **41** COUNTY **WALLACE** STATE **KS**

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.8	5 1/2	KB	5150	
LINER						
TUBING						
OPEN HOLE			7 7/8	5150	3150	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FOOT COCKER AUTO FEELUP	1	LOWE
FLOAT SHOE	1	"
CODE SNOR ROTATE HEAD	1	"
CENTRALIZERS S-4	10	"
BOTTOM PDOG DV TOOL	1	"
TOP PLUG PLUG SET L.D.	1	"
HEAD PC	1	"
PACKER BASKETS	3	"
OTHER		

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 4-11	DATE 4-12	DATE 4-12	DATE 4-12
TIME 1900	TIME 0100	TIME 1430	TIME 2100

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. °API
 DISPL. FLUID _____ DENSITY _____ LB./GAL. °API
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN
 BREAKER TYPE _____ GAL.-LB. _____ IN
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
W. WILSON	B9471	29604
D. RAY	E1507	53493 M
L. LECKER	H8872	3876-8206

DEPARTMENT **CEMENT**
 DESCRIPTION OF JOB **5 1/2" LONGSTRONG - 2 STAGE**
CENTRALIZERS - 1, 2, 4, 6, 8, 10, 78, 81, 87, 91
BASKETS - 79, 92, 118 TOTAL PIPE **5161'**
DV TOOL AT - 1928' TOP JOE # **79**
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE **X** **DAVID PAULY**
 HALLIBURTON OPERATOR **WAYNE WILSON** COPIES REQUESTED **1**

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	150	STANDARD		B	375 KCL, 75% HAUD	1.20	15.6
2	190	MED LONG		B	375 CC, 75% # FLOCKE	3.22	11.1
2	33	"		B	"	2.09	12.75

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET **42.29** REASON **LATCH DOWN BAFFLE**

SUMMARY

PRESLUSH GAL. **12-20** VOLUMES **MUD FRESH / CUPPER** TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL. _____ GAL. **121.8/439**
 CEMENT SLURRY GAL. **1ST - 32.1 / 2ND - 121.5**
 TOTAL VOLUME: BBL.-GAL. _____
 REMARKS **SEE CURVES & JOB LOG**
THANK YOU



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

CUSTOMER COPY

15-199-20245-00-00

TICKET No. 196274

FORM 1811 R-10		Trk 3846-8206			CUSTOMER	WELL	DATE	PAGE	OF	
					Red Oak Energy	Nickelson A 2-30	4-12-97	2	2	
PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT	
		LOC	ACCT	OF		U/M	U/M			
504-280	ORIGINAL	1			Mid-Con-II- KANSAS CORP CORR	225		1353	3,044	25
504-308		1			Standard Cement 1907 JUN 20 D 1:01	150		10.83	1,624	50
508-002		1			KCL Blended	375	1b	41.27	15,517	25
507-775		1			Halad-322 Blended	106	1b	7.70	816	20
507-210		1			Flocele Blended	84	1b	1.90	159	60
509-406		1			Calcium Chloride Blended	5		46.90	234	50
500-207		1			SERVICE CHARGE					
500-306		1								
						CUBIC FEET	401	1.55	621	55
						MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES	
							37,095	149	2,763.578	
								1.18	3,261	02

No. B 339312

CONTINUATION TOTAL

9,862.87
9,915.27

ALLIED CEMENTING CO., INC.

15-199-20245-00-00

3606

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

ORIGINAL

SERVICE POINT: Wass City

DATE <u>4-5-97</u>	SEC. <u>30</u>	TWP. <u>15</u>	RANGE <u>41</u>	CALLED OUT <u>12:00AM</u>	ON LOCATION <u>3:00AM</u>	JOB START <u>4:30AM</u>	JOB FINISH <u>5:10AM</u>
LEASE <u>Nelson</u>	WELL # <u>1</u>	LOCATION <u>Tribune 15N9 1/2 W 1/2 N 1/2 W 1/2</u>		COUNTY <u>Wallace</u>	STATE <u>KS</u>		

OLD OR NEW (Circle one) NEW

CONTRACTOR Murden Day #14

TYPE OF JOB Surface

HOLE SIZE 12 1/4 TD. 373

CASING SIZE 8 7/8 DEPTH 372

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 29 35

CEMENT LEFT IN CSG. 29.35

PERFS.

OWNER Same

CEMENT

AMOUNT ORDERED 250 6/40
3% cc 2% del

COMMON	<u>150</u>	@	<u>7.20</u>	<u>1080.00</u>
POZMIX	<u>100</u>	@	<u>3.15</u>	<u>315.00</u>
GEL	<u>4</u>	@	<u>9.50</u>	<u>38.00</u>
CHLORIDE	<u>8</u>	@	<u>28.00</u>	<u>224.00</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>250</u>	@	<u>1.05</u>	<u>262.50</u>
MILEAGE	<u>80</u>			<u>800.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER A. Weiglans

224 HELPER B. Walton

BULK TRUCK DRIVER B. White

116

BULK TRUCK DRIVER

TOTAL \$ 2719.50

REMARKS:

cure 8 7/8, mix 250 6/40 3% cc
2% del, Displaced 22 BBL
Cement chd. Ciac

Thanks

SERVICE

DEPTH OF JOB	<u>3730</u>			
PUMP TRUCK CHARGE				<u>445.00</u>
EXTRA FOOTAGE	<u>73'</u>	@	<u>.41</u>	<u>29.93</u>
MILEAGE	<u>80</u>	@	<u>2.85</u>	<u>228.00</u>
PLUG	<u>Top wooden</u>	@	<u>45.00</u>	<u>45.00</u>
		@		

TOTAL \$ 747.93

CHARGE TO: Red Oak Energy Inc

STREET 200 W. Douglas Suite 510

CITY Wichita STATE KS ZIP 67202

FLOAT EQUIPMENT

<u>1</u>	<u>8 7/8 Baffle Pipe</u>	<u>135.00</u>	<u>135.00</u>
	@		
	@		
	@		
	@		

TOTAL \$ 135.00

TAX -0-

TOTAL CHARGE \$ 3602.43

DISCOUNT \$ 540.37 IF PAID IN 30 DAYS

Net \$ 3062.06

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 : 4/11/97
 CUSTOMER : RED OAK ENERGY INC
 WELL : #2-30 TEST: 1
 ELEVATION: 3803 KB
 SECTION : 30
 RANGE : 41W COUNTY: WALLACE
 GAUGE SN#: 11018 RANGE : 4425

15-199-20245-00-00
 TICKET : 21824
 LEASE : NICKELSON A
 GEOLOGIST: BANKS
 FORMATION: MORROW SAND
 TOWNSHIP : 15S
 STATE : KS
 CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 5018.00 ft TQ: 5100.00 ft TVD: 5160.0 ft
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
 DEPTH OF RECORDERS: 5021.0 ft 5090.0 ft
 TEMPERATURE: 128.0

DRILL COLLAR LENGTH:	600.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	4389.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	26.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	82.0 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:	5013.0 ft	SIZE:	6.630 in
PACKER DEPTH:	5018.0 ft	SIZE:	6.630 in
PACKER DEPTH:	5100.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. :	MURFIN RIG 14	VISCOSITY :	62.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	8.000 cc
WEIGHT :	9.200 ppg	SERIAL NUMBER:	12369
CHLORIDES :	3500 ppm	REVERSED OUT?:	YES
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW. GAS TO SURFACE
 IN 5 MINUTES. MUDDY OIL MIST IN 25 MINUTES.
 FINAL FLOW PERIOD GAS & OIL MIST TO SURFACE

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

THROUGHOUT.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
760.0	75.0	25.0	0.0	0.0	CLEAN GASSY OIL
0.0	0.0	0.0	0.0	0.0	37 GRAVITY @ 60 DEGREES F
90.0	50.0	20.0	0.0	30.0	MUDDY GASSY OIL

RATE INFORMATION

OIL VOLUME:	4.6398 STB	TOTAL FLOW TIME:	45.0000 min.
GAS VOLUME:	8.7633 SCF	AVERAGE OIL RATE:	152.5346 STB/D
MUD VOLUME:	0.1269 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	4.7667 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2388.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	526.00	537.00
INITIAL SHUT-IN	45.00		582.00
FINAL FLOW	15.00	539.00	539.00
FINAL SHUT-IN	60.00		586.00

FINAL HYDROSTATIC PRESSURE: 2360.00

15-199-20245-00-00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2390.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	560.64	580.66
INITIAL SHUT-IN	45.00		623.55
FINAL FLOW	15.00	580.07	584.87
FINAL SHUT-IN	60.00		625.38

FINAL HYDROSTATIC PRESSURE: 2355.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 4/11/97	TICKET : 21824
CUSTOMER : RED OAK ENERGY INC	LEASE : NICKELSON A
WELL : #2-30 TEST: 1	GEOLOGIST: BANKS
ELEVATION: 3803 KB	FORMATION: MORROW SAND
SECTION : 30	TOWNSHIP : 15S
RANGE : 41W COUNTY: WALLACE	STATE : KS
GAUGE SN#: 11018 RANGE : 4425	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	1.250	6 PSIG	599000 SCF/D
20 MIN	MERLA	1.250	7 PSIG	653000 SCF/D
30 MIN	MERLA	1.250	8 PSIG	700000 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	1.250	14 PSIG	980000 SCF/D
15 MIN	MERLA	1.250	14 PSIG	980000 SCF/D

Company: RED OAK ENERGY INC
Well: #2-30 NICKELSON A
Field: TKT 21824 DST 1

15-199-20245-00-00
[Friday: Apr. 11, 1997]
Page 1

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
		START FLOW 1		
1	0	10:30:22	0.0000	560.64
3	0	10:30:36	0.0040	560.62
8	0	10:31:12	0.0140	561.62
13	0	10:31:48	0.0240	561.71
18	0	10:32:24	0.0340	561.79
23	0	10:33:00	0.0440	561.88
28	0	10:33:36	0.0540	561.97
33	0	10:34:12	0.0639	562.06
38	0	10:34:48	0.0739	562.15
43	0	10:35:24	0.0839	562.24
48	0	10:36:00	0.0939	562.34
53	0	10:36:36	0.1039	562.44
58	0	10:37:12	0.1139	562.54
63	0	10:37:48	0.1239	562.65
68	0	10:38:24	0.1339	562.76
73	0	10:39:00	0.1439	562.87
78	0	10:39:36	0.1539	562.99
83	0	10:40:11	0.1639	563.12
88	0	10:40:47	0.1738	563.25
93	0	10:41:23	0.1838	563.39
98	0	10:41:59	0.1938	563.53
103	0	10:42:35	0.2038	563.68
108	0	10:43:11	0.2138	563.83
113	0	10:43:47	0.2238	564.00
118	0	10:44:23	0.2338	564.17
123	0	10:44:59	0.2438	564.35
128	0	10:45:35	0.2538	564.54
133	0	10:46:11	0.2638	564.74
138	0	10:46:47	0.2738	564.95
143	0	10:47:23	0.2838	565.17
148	0	10:47:59	0.2937	565.40
153	0	10:48:35	0.3037	565.64
158	0	10:49:11	0.3137	565.89
163	0	10:49:47	0.3237	566.15
168	0	10:50:23	0.3337	566.43
173	0	10:50:59	0.3437	566.71
178	0	10:51:35	0.3537	567.01
183	0	10:52:11	0.3637	567.33
188	0	10:52:47	0.3737	567.65
193	0	10:53:23	0.3837	568.00
198	0	10:53:59	0.3937	568.36
203	0	10:54:35	0.4037	568.74
208	0	10:55:11	0.4136	569.13
213	0	10:55:47	0.4236	569.56
218	0	10:56:23	0.4336	570.01
223	0	10:56:59	0.4436	570.49
228	0	10:57:35	0.4536	571.01
233	0	10:58:11	0.4636	571.58
238	0	10:58:47	0.4736	572.20
243	0	10:59:23	0.4836	572.88
248	0	10:59:58	0.4936	573.64
253	0	11:00:34	0.5036	574.48
258	0	11:01:10	0.5136	575.42
263	0	11:01:46	0.5236	576.49

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
268	0	11: 2:22	0.5336	577.71
273	0	11: 2:58	0.5435	579.10
278	0	11: 3:34	0.5535	580.66
		END FLOW. 1		
		START SHUTIN 1		
282	0	11: 4: 3	0.5615	582.04
283	0	11: 4:10	0.5635	582.40
288	0	11: 4:46	0.5735	584.30
293	0	11: 5:22	0.5835	586.34
298	0	11: 5:58	0.5935	588.47
303	0	11: 6:34	0.6035	590.64
308	0	11: 7:10	0.6135	592.78
313	0	11: 7:46	0.6235	594.80
318	0	11: 8:22	0.6335	596.67
323	0	11: 8:58	0.6435	598.38
328	0	11: 9:34	0.6535	599.94
333	0	11:10:10	0.6634	601.36
338	0	11:10:46	0.6734	602.65
343	0	11:11:22	0.6834	603.83
348	0	11:11:58	0.6934	604.90
353	0	11:12:34	0.7034	605.90
358	0	11:13:10	0.7134	606.82
363	0	11:13:46	0.7234	607.67
368	0	11:14:22	0.7334	608.46
373	0	11:14:58	0.7434	609.20
378	0	11:15:34	0.7534	609.89
383	0	11:16:10	0.7634	610.54
388	0	11:16:46	0.7734	611.14
393	0	11:17:22	0.7833	611.70
398	0	11:17:58	0.7933	612.23
403	0	11:18:34	0.8033	612.73
408	0	11:19:10	0.8133	613.20
413	0	11:19:46	0.8233	613.64
418	0	11:20:21	0.8333	614.06
423	0	11:20:57	0.8433	614.46
428	0	11:21:33	0.8533	614.84
433	0	11:22: 9	0.8633	615.21
438	0	11:22:45	0.8733	615.56
443	0	11:23:21	0.8833	615.90
448	0	11:23:57	0.8932	616.23
453	0	11:24:33	0.9032	616.54
458	0	11:25: 9	0.9132	616.85
463	0	11:25:45	0.9232	617.16
468	0	11:26:21	0.9332	617.45
473	0	11:26:57	0.9432	617.74
478	0	11:27:33	0.9532	618.02
483	0	11:28: 9	0.9632	618.30
488	0	11:28:45	0.9732	618.57
493	0	11:29:21	0.9832	618.83
498	0	11:29:57	0.9932	619.09
503	0	11:30:33	1.0032	619.35
508	0	11:31: 9	1.0131	619.60
513	0	11:31:45	1.0231	619.84
518	0	11:32:21	1.0331	620.09
523	0	11:32:57	1.0431	620.33

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
528	0	11:33:33	1.0591	620.56
533	0	11:34: 9	1.0691	620.79
538	0	11:34:45	1.0791	621.02
543	0	11:35:21	1.0891	621.25
548	0	11:35:57	1.0991	621.48
553	0	11:36:33	1.1091	621.70
558	0	11:37: 9	1.1191	621.92
563	0	11:37:45	1.1291	622.63
568	0	11:38:21	1.1391	622.63
573	0	11:38:57	1.1490	622.65
578	0	11:39:33	1.1590	622.69
583	0	11:40: 8	1.1690	622.76
588	0	11:40:44	1.1790	622.87
593	0	11:41:20	1.1890	623.00
598	0	11:41:56	1.1990	623.13
603	0	11:42:32	1.2090	623.26
608	0	11:43: 8	1.2190	623.37
613	0	11:43:44	1.2290	623.46
618	0	11:44:20	1.2390	623.51
623	0	11:44:56	1.2490	623.54
628	0	11:45:32	1.2589	623.55
633	0	11:46: 8	1.2689	623.55
638	0	11:46:44	1.2789	623.55
643	0	11:47:20	1.2889	623.55
648	0	11:47:56	1.2989	623.55
653	0	11:48:32	1.3089	623.55
658	0	11:49: 8	1.3189	623.55
		END SHUTIN 1		
		START FLOW 2		
663	0	11:53:41	1.3948	580.07
668	0	11:54:17	1.4048	580.70
673	0	11:54:53	1.4148	580.19
678	0	11:55:29	1.4248	579.69
683	0	11:56: 5	1.4348	579.21
688	0	11:56:41	1.4448	578.76
693	0	11:57:17	1.4548	578.33
698	0	11:57:53	1.4648	577.93
703	0	11:58:29	1.4748	577.56
708	0	11:59: 5	1.4848	577.25
713	0	11:59:41	1.4948	576.98
718	0	12: 0:17	1.5048	576.78
723	0	12: 0:53	1.5147	576.63
728	0	12: 1:29	1.5247	576.54
733	0	12: 2: 5	1.5347	576.52
738	0	12: 2:41	1.5447	576.55
743	0	12: 3:17	1.5547	576.65
748	0	12: 3:53	1.5647	576.80
753	0	12: 4:29	1.5747	577.02
758	0	12: 5: 5	1.5847	577.33
763	0	12: 5:41	1.5947	577.76
768	0	12: 6:17	1.6047	578.38
773	0	12: 6:53	1.6147	579.26
778	0	12: 7:29	1.6247	580.52
783	0	12: 8: 5	1.6346	582.36
788	0	12: 8:41	1.6446	584.87

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
		END FLOW 2		
		START SHUTIN 2		
793	0	12: 9:17	1.6546	587.90
798	0	12: 9:53	1.6646	591.09
803	0	12:10:29	1.6746	594.08
808	0	12:11: 5	1.6846	596.76
813	0	12:11:41	1.6946	599.17
818	0	12:12:16	1.7046	601.34
823	0	12:12:52	1.7146	603.29
828	0	12:13:28	1.7246	605.03
833	0	12:14: 4	1.7345	606.57
838	0	12:14:40	1.7445	607.93
843	0	12:15:16	1.7545	609.13
848	0	12:15:52	1.7645	610.19
853	0	12:16:28	1.7745	611.13
858	0	12:17: 4	1.7845	611.96
863	0	12:17:40	1.7945	612.69
868	0	12:18:16	1.8045	613.34
873	0	12:18:52	1.8145	613.90
878	0	12:19:28	1.8245	614.40
883	0	12:20: 4	1.8345	614.84
888	0	12:20:40	1.8445	615.23
893	0	12:21:16	1.8545	615.58
898	0	12:21:52	1.8644	615.90
903	0	12:22:28	1.8744	616.19
908	0	12:23: 4	1.8844	616.46
913	0	12:23:40	1.8944	616.71
918	0	12:24:16	1.9044	616.95
923	0	12:24:52	1.9144	617.19
928	0	12:25:28	1.9244	617.41
933	0	12:26: 4	1.9344	617.63
938	0	12:26:40	1.9444	617.84
943	0	12:27:16	1.9544	618.06
948	0	12:27:52	1.9644	618.26
953	0	12:28:28	1.9743	618.47
958	0	12:29: 4	1.9843	618.67
963	0	12:29:40	1.9943	618.87
968	0	12:30:16	2.0043	619.06
973	0	12:30:52	2.0143	619.26
978	0	12:31:28	2.0243	619.45
983	0	12:32: 3	2.0343	619.64
988	0	12:32:39	2.0443	619.83
993	0	12:33:15	2.0543	620.02
998	0	12:33:51	2.0643	620.21
1003	0	12:34:27	2.0743	620.39
1008	0	12:35: 3	2.0843	620.57
1013	0	12:35:39	2.0943	620.75
1018	0	12:36:15	2.1042	620.91
1023	0	12:36:51	2.1142	621.07
1028	0	12:37:27	2.1242	621.22
1033	0	12:38: 3	2.1342	621.36
1038	0	12:38:39	2.1442	621.49
1043	0	12:39:15	2.1542	621.61
1048	0	12:39:51	2.1642	621.73
1053	0	12:40:27	2.1742	621.83

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1058	0	12:41: 3	2.1842	621.92
1063	0	12:41:39	2.1942	622.01
1068	0	12:42:15	2.2042	622.09
1073	0	12:42:51	2.2142	622.17
1078	0	12:43:27	2.2241	622.23
1083	0	12:44: 3	2.2341	622.29
1088	0	12:44:39	2.2441	622.35
1093	0	12:45:15	2.2541	622.40
1098	0	12:45:51	2.2641	622.44
1103	0	12:46:27	2.2741	622.48
1108	0	12:47: 3	2.2841	622.51
1113	0	12:47:39	2.2941	622.54
1118	0	12:48:15	2.3041	622.56
1123	0	12:48:51	2.3141	622.58
1128	0	12:49:27	2.3241	622.60
1133	0	12:50: 3	2.3340	622.62
1138	0	12:50:39	2.3440	622.64
1143	0	12:51:15	2.3540	622.65
1148	0	12:51:51	2.3640	622.67
1153	0	12:52:26	2.3740	622.69
1158	0	12:53: 2	2.3840	622.72
1163	0	12:53:38	2.3940	622.74
1168	0	12:54:14	2.4040	622.77
1173	0	12:54:50	2.4140	622.81
1178	0	12:55:26	2.4240	622.85
1183	0	12:56: 2	2.4340	622.90
1188	0	12:56:38	2.4440	622.95
1193	0	12:57:14	2.4539	623.00
1198	0	12:57:50	2.4639	623.06
1203	0	12:58:26	2.4739	623.12
1208	0	12:59: 2	2.4839	623.19
1213	0	12:59:38	2.4939	623.25
1218	0	13: 0:14	2.5039	623.32
1223	0	13: 0:50	2.5139	623.40
1228	0	13: 1:26	2.5239	623.47
1233	0	13: 2: 2	2.5339	623.55
1238	0	13: 2:38	2.5439	623.63
1243	0	13: 3:14	2.5539	623.71
1248	0	13: 3:50	2.5639	623.79
1253	0	13: 4:26	2.5739	623.87
1258	0	13: 5: 2	2.5838	623.95
1263	0	13: 5:38	2.5938	624.03
1268	0	13: 6:14	2.6038	624.12
1273	0	13: 6:50	2.6138	624.21
1278	0	13: 7:26	2.6238	624.29
1283	0	13: 8: 2	2.6338	624.38
1288	0	13: 8:38	2.6438	624.48
1293	0	13: 9:14	2.6538	624.57
1298	0	13: 9:50	2.6638	624.67
1303	0	13:10:26	2.6738	624.77
1308	0	13:11: 2	2.6838	624.87
1313	0	13:11:38	2.6937	624.97
1318	0	13:12:13	2.7037	625.07
1323	0	13:12:49	2.7137	625.17
1328	0	13:13:25	2.7237	625.28

WESTERN TESTING CO., INC.

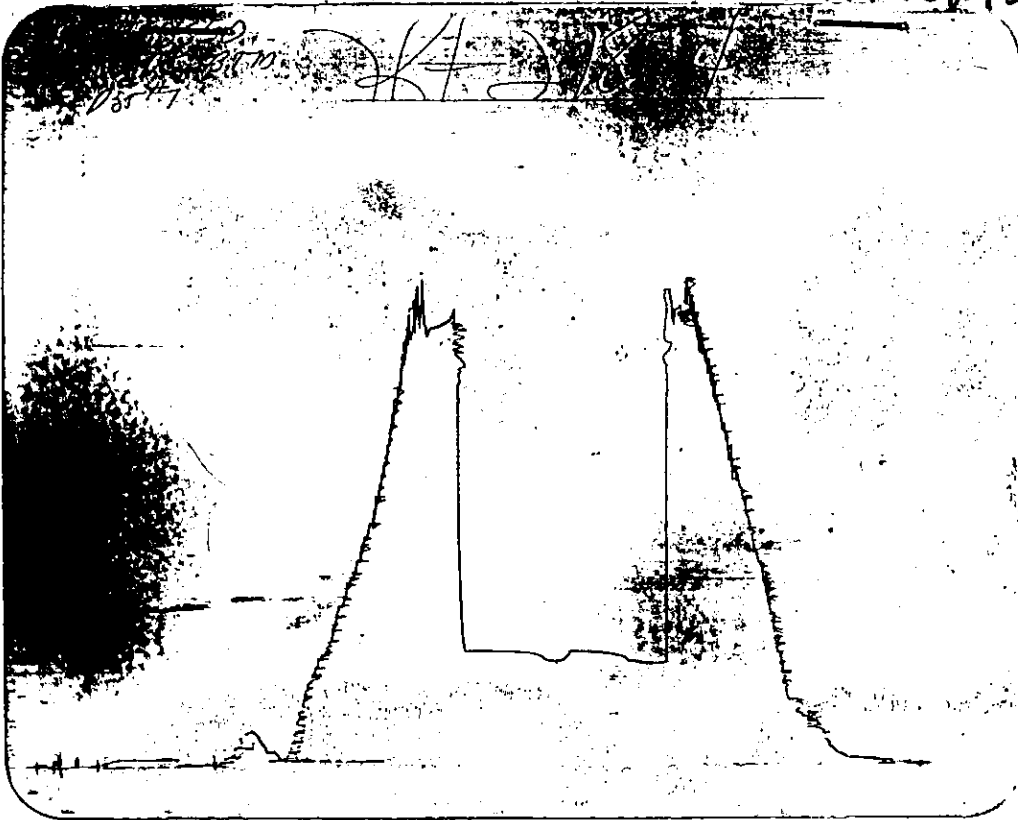
Company: RED OAK ENERGY INC
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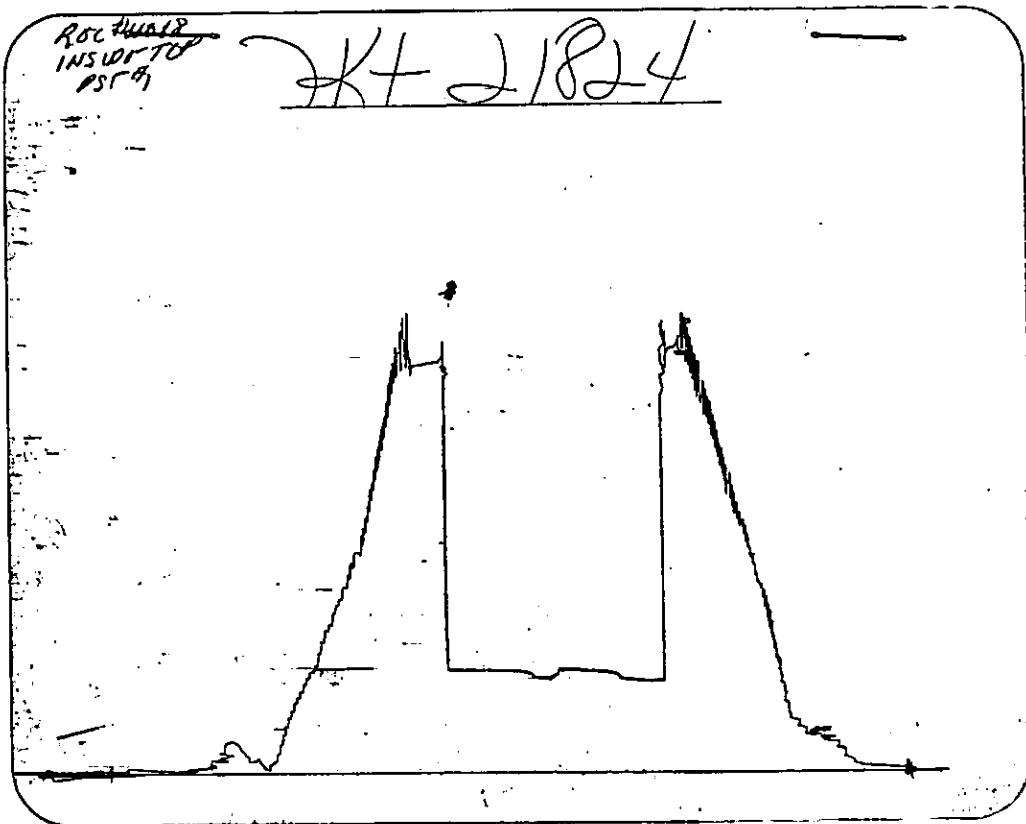
REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1333	0	13:14: 1	2.7337	625.38

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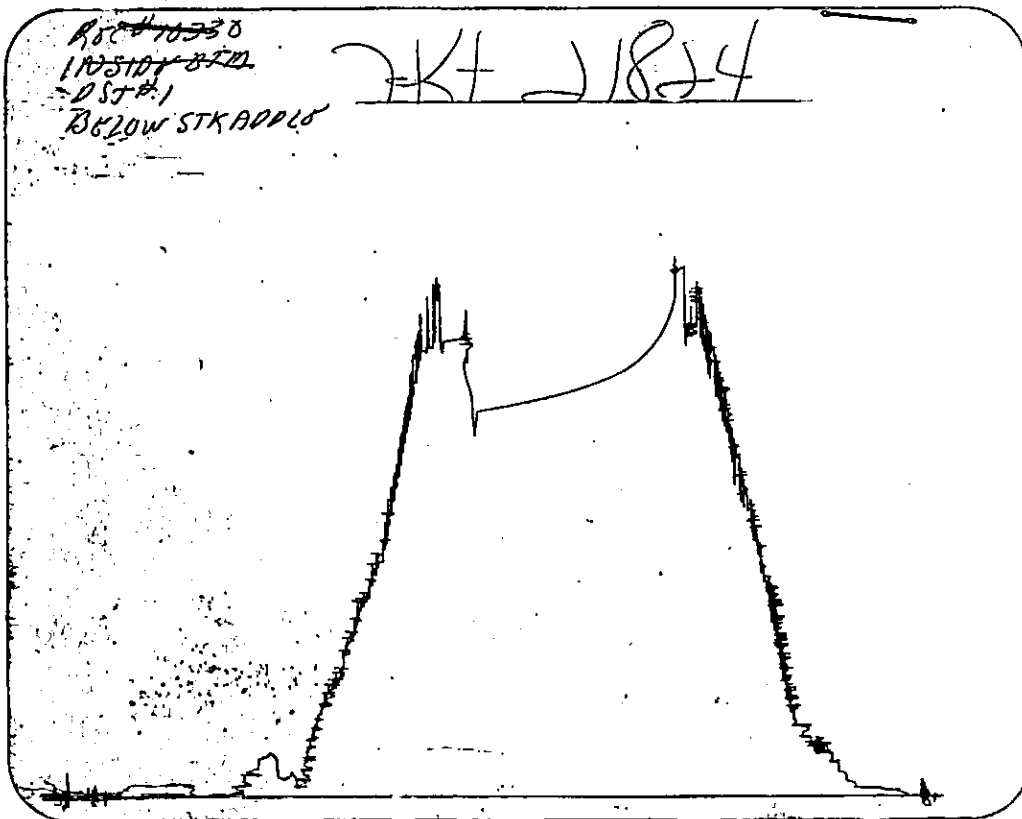
Inside Recorder



Outside Recorder

15-199-20245-00-00

Inside Recorder



Outside Recorder