



KANSAS CORPORATION COMMISSION 1055951  
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 # 34158  
Name: O'Brien Resources, LLC  
Address 1: PO BOX 6149  
Address 2: \_\_\_\_\_  
City: SHREVEPORT State: LA Zip: 71136 + \_\_\_\_\_  
Contact Person: Heather Haynes  
Phone: ( 318 ) 865-8568  
CONTRACTOR: License # 33575  
Name: WW Drilling, LLC  
Wellsite Geologist: Kim Shoemaker  
Purchaser: Plains Marketing

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 #: \_\_\_\_\_

<u>11/13/2010</u>	<u>11/23/2010</u>	<u>02/03/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-193-20783-00-00

Spot Description: \_\_\_\_\_  
SE NW NE NE Sec. 13 Twp. 10 S. R. 33  East  West  
381 Feet from  North /  South Line of Section  
846 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Thomas  
Lease Name: Kob 13 Well #: 1  
Field Name: Wildcat (Spica)

Producing Formation: Lansing  
Elevation: Ground: 3090 Kelly Bushing: 3096  
Total Depth: 4750 Plug Back Total Depth: 4706  
Amount of Surface Pipe Set and Cemented at: 304 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 4748 Feet  
If Alternate II completion, cement circulated from: 4748  
feet depth to: \_\_\_\_\_ w/ 320 sx crmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 2000 ppm Fluid volume: 280 bbls  
Dewatering method used: Evaporated  
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

- Letter of Confidentiality Received  
Date: 05/17/2011
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: Deanna Garrison Date: 05/20/2011



1055951

Operator Name: O'Brien Resources, LLC Lease Name: Kob 13 Well #: 1  
 Sec. 13 Twp. 10 S. R. 33  East  West County: Thomas

**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 Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input 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: <b>Attached</b>	<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>Anhydrite</td> <td>2612</td> <td>+484</td> </tr> <tr> <td>Wabunsee</td> <td>3666</td> <td>-570</td> </tr> <tr> <td>Lansing</td> <td>4046</td> <td>-950</td> </tr> <tr> <td>Pawnee</td> <td>4458</td> <td>-1362</td> </tr> <tr> <td>LCK</td> <td>4546</td> <td>-1450</td> </tr> <tr> <td>Miss.</td> <td>4460</td> <td>-1544</td> </tr> </table>	Name	Top	Datum	Anhydrite	2612	+484	Wabunsee	3666	-570	Lansing	4046	-950	Pawnee	4458	-1362	LCK	4546	-1450	Miss.	4460	-1544
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Miss.	4460	-1544																				

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	12.250	8.625	23	304	Common	190	3% CC, 2% gel
Production	7.8750	4.5000	11.6	4748	EA-2	270	
DV Tool	7.8750	4.5000	11.6	2629	SMD	325	

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	-			
	-			

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	4458-4470	600 gal 15% MCA	
4	4278-4282	300 gal 15% MCA	
4	4195-4232	350 gal 15% MCA	

TUBING RECORD: Size: <u>2.3750</u> Set At: <u>4670</u> Packer At: <u>N/A</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											
Date of First, Resumed Production, SWD or ENHR. <u>02/03/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____										
Estimated Production Per 24 Hours	<table style="width:100%; border-collapse: collapse;"> <tr> <td>Oil Bbbs.</td> <td>Gas Mcf</td> <td>Water Bbbs.</td> <td>Gas-Oil Ratio</td> <td>Gravity</td> </tr> <tr> <td style="text-align: center;">28</td> <td style="text-align: center;">0</td> <td style="text-align: center;">30</td> <td></td> <td></td> </tr> </table>	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity	28	0	30		
Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity							
28	0	30									

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)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>Lansing</u>
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Form	ACO1 - Well Completion
Operator	O'Brien Resources, LLC
Well Name	Kob 13 1
Doc ID	1055951

All Electric Logs Run

Compensated Density
Sonic
Micro
Dual Induction

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/>

Thomas E. Wright, Chairman  
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

May 17, 2011

Heather Haynes  
O'Brien Resources, LLC  
PO BOX 6149  
SHREVEPORT, LA 71136

Re: ACO1  
API 15-193-20783-00-00  
Kob 13 1  
NE/4 Sec.13-10S-33W  
Thomas 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,  
Heather Haynes

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/>

Thomas E. Wright, Chairman  
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

May 18, 2011

Heather Haynes  
O'Brien Resources, LLC  
PO BOX 6149  
SHREVEPORT, LA 71136

Re: ACO-1  
API 15-193-20783-00-00  
Kob 13 1  
NE/4 Sec.13-10S-33W  
Thomas County, Kansas

Dear Heather Haynes:

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 11/13/2010 and the ACO-1 was received on May 17, 2011 (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



PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 19319

CUSTOMER O'Brien Resources WELL #12-1 Keb DATE 11-23-10 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACT	OF			QTY.	UNIT		
325		2				Standard Cement	270	SKS	12 <sup>00</sup>	3240 <sup>00</sup>
330		2				SMD Cement	365	SKS	15 <sup>00</sup>	5475 <sup>00</sup>
276		2				Flocide	150	#	1 <sup>50</sup>	225 <sup>00</sup>
283		2				Salt	1350	#	15	202 <sup>50</sup>
284		2				Lalscal	130	SKS	30 <sup>00</sup>	390 <sup>00</sup>
285		2				CFR-1	150	#	4 <sup>00</sup>	600 <sup>00</sup>
581						SERVICE CHARGE	635	KS		
583						RELEASE CHARGE				
						TOTAL WEIGHT	64012			
						LOADED MILES	45			
						CUBIC FEET			150	92 <sup>50</sup>
						TON MILES	1440		1 <sup>00</sup>	1440 <sup>00</sup>

CONTINUATION TOTAL 12525<sup>00</sup>

JOB LOG

SWIFT Services, Inc.

DATE 11-23-10 PAGE NO.

CUSTOMER: *O'Brien Resources*

WELL NO: *#73-1*

LEASE: *Kat*

JOB TYPE: *2-stage*

TICKET NO. *19319*

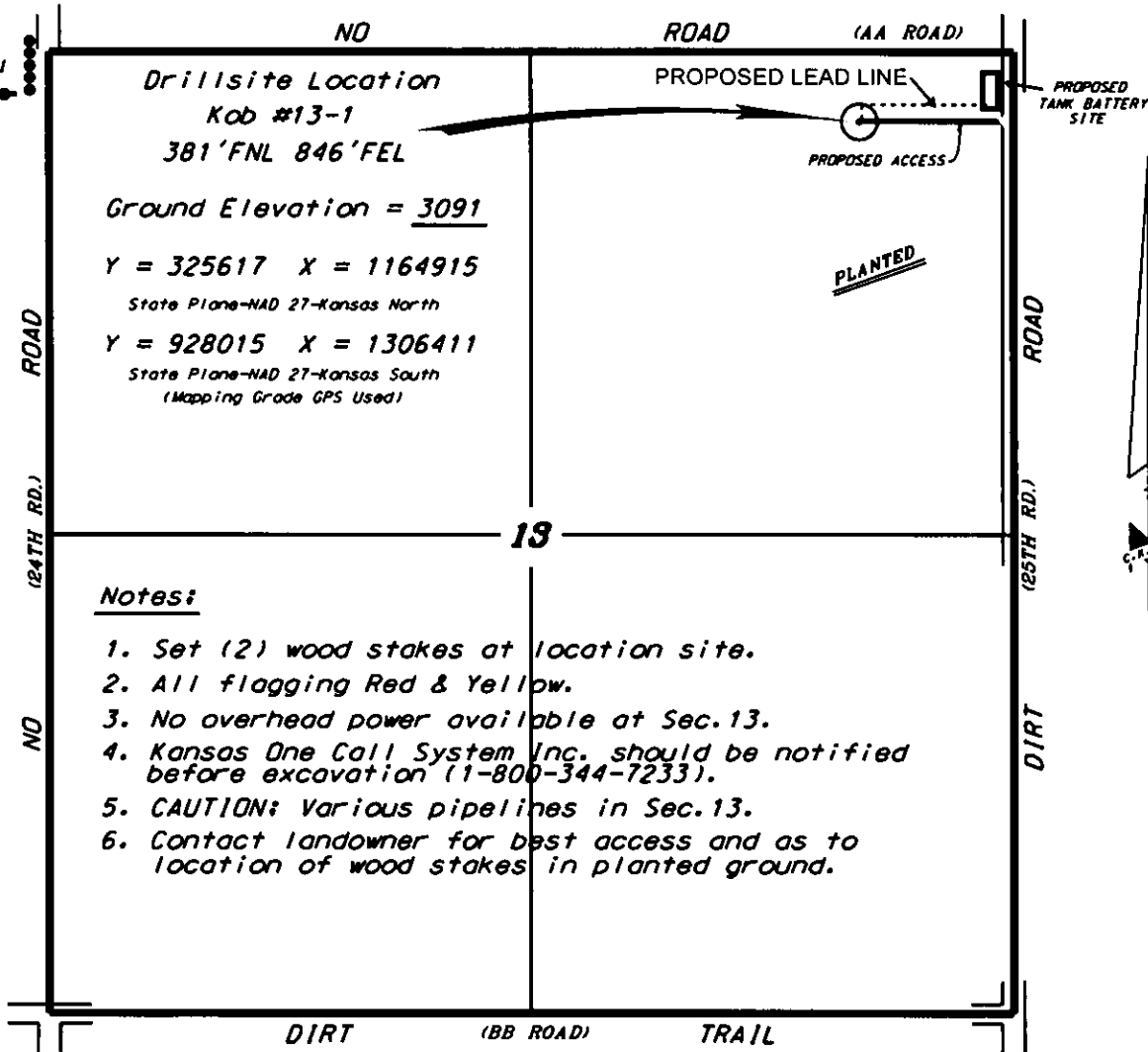
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1630							on log w/ FE ATD 4750' 4 1/2" x 105' x 4756' x 42' Cent 6, 7, 8, 9, 13, 14, 15, 16, 1, 2, 80 Bask 21, 2, 81 DV 2 @ 2630'
	1810							start F.E.
	2015							Break Circ
	2145	4.5	0			200		start Preflush 500 gal Mud + Wash 20 sks KCH Flush
		5.5	32/0			250		start Cement 270 sks EA-2
	2205		64					End Cement Wash P/L / Prep L.D Plug
	2210	6	0			200		start Displacement w/ Tr
		5	35			250		Mud
	2230		75			750 / 1400		Land Plug Release Pressure / Float Head Drop Opening Plug washup Trk
	2245					1200		Open D.V. Circ
	0245	2.5	7/5					Plug RTH+MH 45 sks SMD
	0255	4.5	00			200		start KCH Flush
	0300	6	20/0			200		start Cement 370 sks SMD
	0335		200					End Cement Drop Closing Plug
	0340	5.5	0			200		start Displacement
		4	0			200		Circ. Cement
	0350		42			500		Land Plug
						1500		Close D.V. Release pressure DV closed
								Circ sks to pit
								Thank you Nick, Josh F., Lane, & John





O'BRIEN RESOURCES, LLC  
 KOB LEASE  
 NE.1/4, SECTION 13, T10S, R33W  
 THOMAS COUNTY, KANSAS

KRUG #14-1  
 3123



Notes:

1. Set (2) wood stakes at location site.
2. All flagging Red & Yellow.
3. No overhead power available at Sec.13.
4. Kansas One Call System Inc. should be notified before excavation (1-800-344-7233).
5. CAUTION: Various pipelines in Sec.13.
6. Contact landowner for best access and as to location of wood stakes in planted ground.

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

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 standard 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 plat and all other parties relying thereon 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 2, 2010

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

## GENERAL INFORMATION

### Client Information:

Company: O'BRIEN RESOURCES LLC.

Contact: JIM ROBBINS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: 1-13 KOB

Operator: O'BRIEN RESOURCES LLC.

Location-Downhole:

Location-Surface: S13/10S/33W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: COVENTIONAL Job Number: D852

Test Unit:

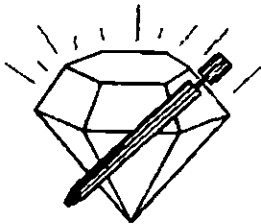
Start Date: 2010/11/17 Start Time: 14:30:00

End Date: 2010/11/17 End Time: 21:10:00

Report Date: Prepared By: JOHN RIEDL

Remarks: Qualified By: KIM SHOEMAKER

RECOVERY: 80' GAS CUT OIL  
370' WATER



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

ON 14:30 11/17/10

OFF 21:10 11/17/10

## DRILL-STEM TEST TICKET

STC/Kob13-1dst1

Company O'BRIEN RESOURCES LLC. Lease & Well No. 13-1 KOB  
 Contractor WW DRILLING RIG 2 Charge to O'BRIEN RESOURCES LLC.  
 Elevation 2123 K.B Formation LANS 35' Effective Pay \_\_\_\_\_ Ft. Ticket No. D852  
 Date 11/17/10 Sec. 13 Twp. 10 S Range 33 W County THOMAS State KANSAS  
 Test Approved By KIM SHOEMAKER Diamond Representative JOHN C. RIEDL

Formation Test No. 1 Interval Tested from 4063 ft. to 4087 ft. Total Depth 4087 ft.  
 Packer Depth 4058 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 4063 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4066 ft. Recorder Number 30046 Cap. 3259 P.S.I.  
 Bottom Recorder Depth (Outside) 4084 ft. Recorder Number 11073 Cap. 4,000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
 Weight 9.1 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 3,000 P.P.M. Drill Pipe Length 3917 ft. I.D. 3 1/2 in.  
 Jars: Make BOWEN Serial Number NOT USED Test Tool Length 26 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 24 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2<sup>XH</sup> in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: FAIR (3") THROUGHOUT NO BB  
 2nd Open: WEAK (2 1/2") THROUGHOUT NO BB

Recovered 80 ft. of GCO (5%GAS 95%OIL) 28 GRAVITY @ 60 DEGREES  
 Recovered 370 ft. of WATER CHLORIDES 52,000Ppm

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY: 330' IN DRI;; PIPE 120' IN DRILL COLLARS</u>	Insurance
_____	Total

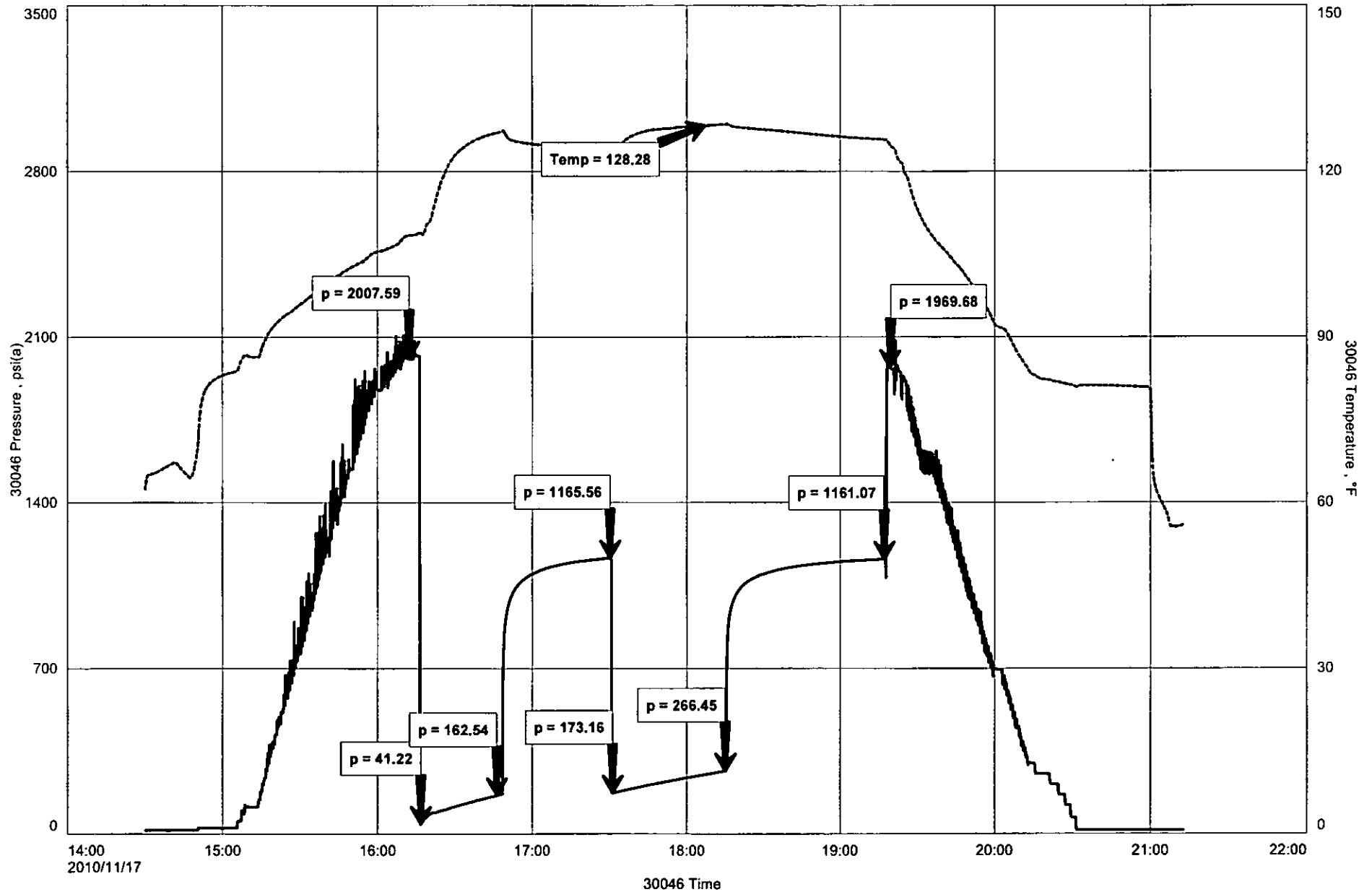
Time Set Packer(s) 4:15 P.M A.M. P.M. Time Started Off Bottom 7:15 P.M A.M. P.M. Maximum Temperature 128  
 Initial Hydrostatic Pressure ..... (A) 2008 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 41 P.S.I. to (C) 163 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 1166 P.S.I.  
 Final Flow Period ..... Minutes 45 (E) 173 P.S.I. to (F) 255 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 1161 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1969 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

O'BRIEN RESOURCES LLC.  
Start Test Date: 2010/11/17  
Final Test Date: 2010/11/17

1-13 KOB  
Formation: LANSING  
Job Number: D852

# 1-13 KOB



## GENERAL INFORMATION

### Client Information:

Company: O'BRIEN RESOURCES LLC.

Contact: JIM ROBBINS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: 1-13 KOB

Operator: O'BRIEN RESOURCES LLC.

Location-Downhole:

Location-Surface: S13/10S/33W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D853

Test Unit:

Start Date: 2010/11/18 Start Time: 12:40:00

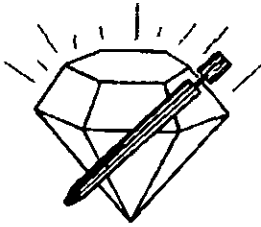
End Date: 2010/11/18 End Time: 18:45:00

Report Date: 2010/11/18 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

### Remarks:

RECOVERY: 50' GAS CUT OIL, 60' OIL+MUD CUT WATER  
180' WATER



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

ON 12:40 11/18/10

OFF 18:45 11/18/10

## DRILL-STEM TEST TICKET

STC/Kob13-1dst2

Company O'BRIEN RESOURCES LLC. Lease & Well No. 13-1 KOB

Contractor WW DRILLING RIG 2 Charge to O'BRIEN RESOURCES LLC.

Elevation 2123 K.B Formation LANS 140' Effective Pay \_\_\_\_\_ Ft. Ticket No. D853

Date 11/18/10 Sec. 13 Twp. 10 S Range 33 W County THOMAS State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative JOHN C. RIEDL

Formation Test No. 2 Interval Tested from 4174 ft. to 4210 ft. Total Depth 4210 ft.

Packer Depth 4169 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 4174 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4177 ft. Recorder Number 30046 Cap. 3259 P.S.I.

Bottom Recorder Depth (Outside) 4207 ft. Recorder Number 11073 Cap. 4,000 P.S.I.

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 51 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,200 P.P.M. Drill Pipe Length 4061 ft. I.D. 3 1/2 in.

Jars: Make BOWEN Serial Number NOT USED Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 36 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2<sup>XH</sup> in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GOOD (BUILT THROUGHOUT TO 6") NO BB

2nd Open: GOOD (BUILT THROUGHOUT TO 8") NO BB

Recovered 50 ft. of GCO (10%GAS 90%OIL) GRAVITY 27 @ 60 DEGREES

Recovered 60 ft. of OCMW (15%OIL 40%MUD 45%WATER)

Recovered 180 ft. of WATER (CHLORIDES 59,000ppm RES. .2 @ 50 DEGREES

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY:290' (170'IN DRILL PIPE, 120' IN DRILL COLLARS</u>	Insurance
_____	Total

Time Set Packer(s) 2:00 P.M A.M. P.M. Time Started Off Bottom 4:45 P.M A.M. P.M. Maximum Temperature 126

Initial Hydrostatic Pressure ..... (A) 2012 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 34 P.S.I. to (C) 120 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1241 P.S.I.

Final Flow Period ..... Minutes 30 (E) 118 P.S.I. to (F) 161 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 1234 P.S.I.

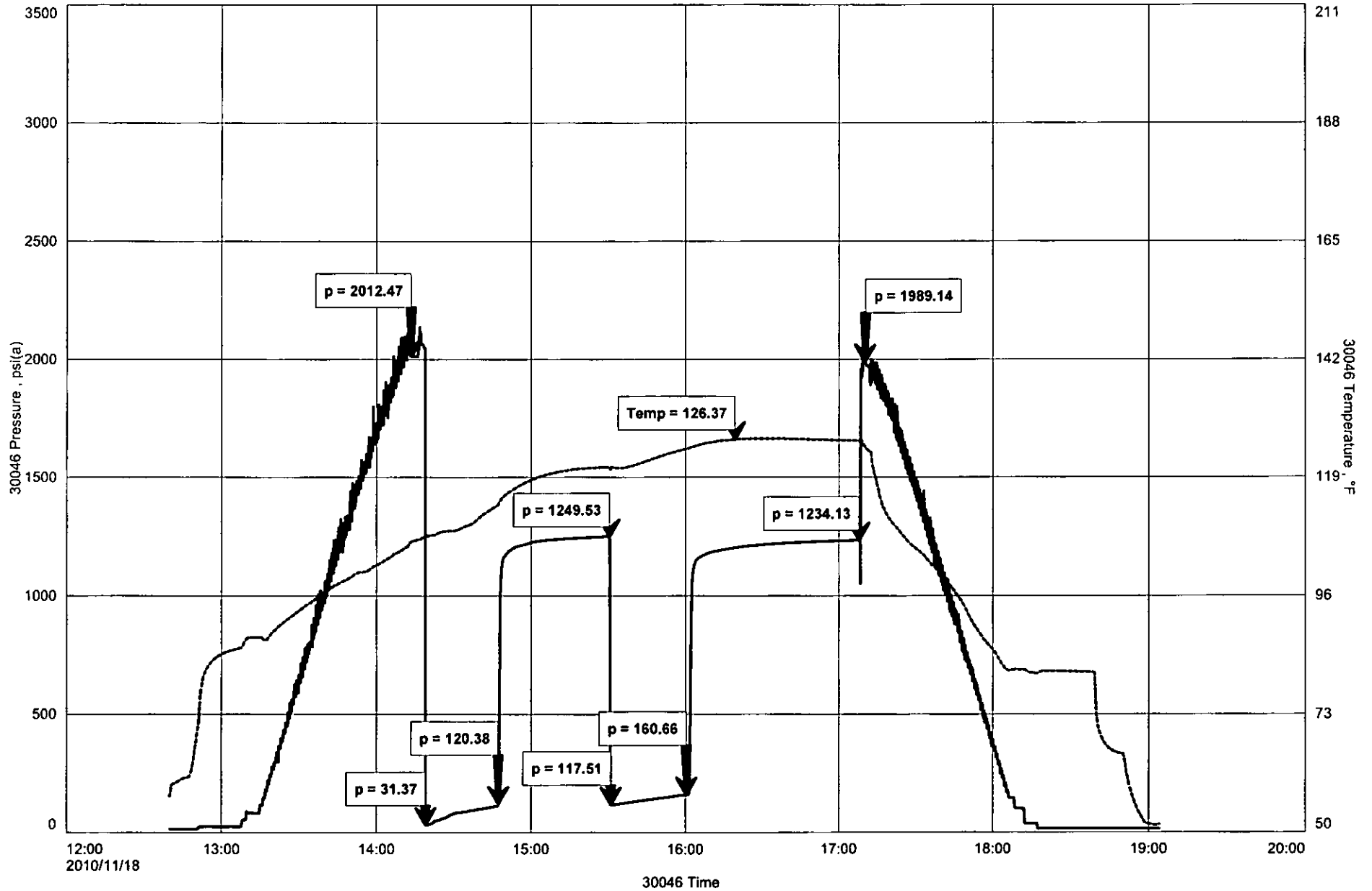
Final Hydrostatic Pressure ..... (H) 1990 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

O'BRIEN RESOURCES LLC.  
Start Test Date: 2010/11/18  
Final Test Date: 2010/11/18

1-13 KOB  
Formation: LANSING "140"  
Job Number: D853

# 1-13 KOB



## GENERAL INFORMATION

### Client Information:

Company: O'BRIEN RESOURCES LLC.

Contact: JIM ROBBINS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: 1-13 KOB

Operator: O'BRIEN RESOURCES LLC.

Location-Downhole:

Location-Surface: S13/10S/33W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D854

Test Unit:

Start Date: 2010/11/19 Start Time: 01:30:00

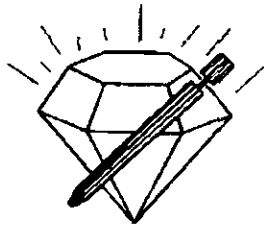
End Date: 2010/11/19 End Time: 08:10:00

Report Date: 2010/11/19 Prepared By: JOHN RIEDL

Remarks: Qualified By: KIM SHOEMAKER

RECOVERY: 150' GAS IN PIPE  
150' VERY SLIGHTLY MUD CUT GASSY OIL





# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

ON 01:30 11/19/10

OFF 08:10 11/19/10

## DRILL-STEM TEST TICKET

STC/KOb13-1dst3

Company O'BRIEN RESOURCES LLC. Lease & Well No. 13-1 KOB

Contractor WW DRILLING RIG 2 Charge to O'BRIEN RESOURCES LLC.

Elevation 2123 K.B Formation LANS 140' Effective Pay \_\_\_\_\_ Ft. Ticker No. D854

Date 11/19/10 Sec. 13 Twp. 10 S Range 33 W County THOMAS State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative JOHN C. RIEDL

Formation Test No. 3 Interval Tested from 4209 ft. to 4239 ft. Total Depth 4239 ft.

Packer Depth 4204 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 4209 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4212 ft. Recorder Number 30046 Cap. 3259 P.S.I.

Bottom Recorder Depth (Outside) 4236 ft. Recorder Number 11073 Cap. 4,000 P.S.I.

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,200 P.P.M. Drill Pipe Length 4063 ft. I.D. 3 1/2 in.

Jars: Make BOWEN Serial Number #2 Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 30 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2<sup>XH</sup> in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: FAIR (3") NO BB

2nd Open: FAIR (5") NO BB

Recovered 150 ft. of GAS IN PIPE

Recovered 150 ft. of VSLMCGO (5%MUD 15%GAS 80%OIL) GRAVITY OF 39 @ 60 DEGREES

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: TOTAL FLUID RECOVERY: 150'(120'IN DRILL PIPE , 30' IN DRILL COLLARS)

\_\_\_\_\_

\_\_\_\_\_

Time Set Packer(s) 3:15 A.M A.M. P.M. Time Started Off Bottom 6:15 A.M A.M. P.M. Maximum Temperature 117

Initial Hydrostatic Pressure ..... (A) 2011 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 31 P.S.I. to (C) 56 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1328 P.S.I.

Final Flow Period ..... Minutes 45 (E) 68 P.S.I. to (F) 79 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 1306 P.S.I.

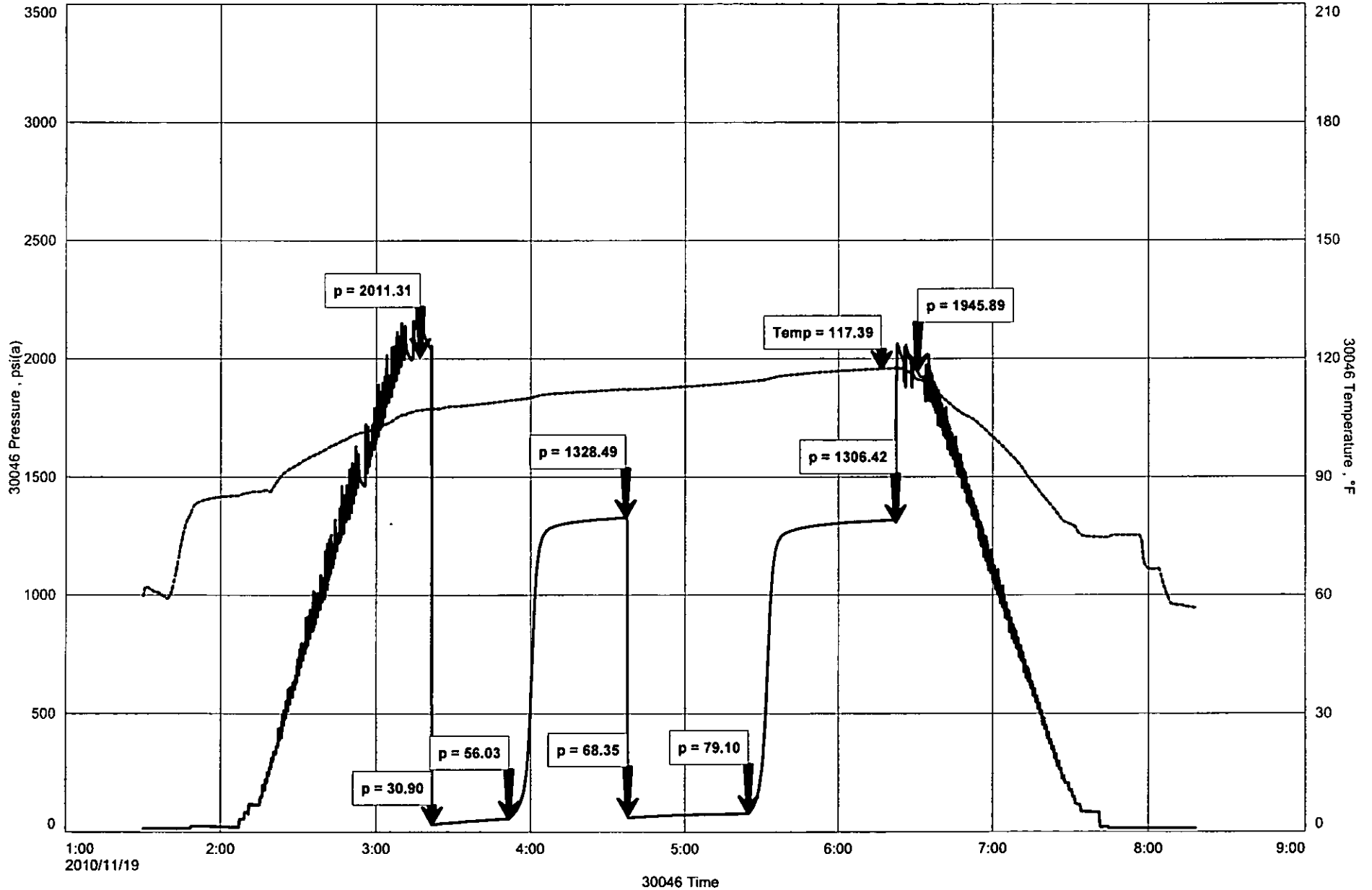
Final Hydrostatic Pressure ..... (H) 1946 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

O'BRIEN RESOURCES LLC.  
Start Test Date: 2010/11/19  
Final Test Date: 2010/11/19

1-13 KOB  
Formation: LKC 160'  
Job Number: D854

# 1-13 KOB



## GENERAL INFORMATION

### Client Information:

Company: O'BRIEN RESOURCES LLC.

Contact: JIM ROBBIMS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: 13-1 ROBBINS

Operator: O'BRIEN RESOURCES LLC.

Location-Downhole:

Location-Surface: S13/10S/33W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D855

Test Unit:

Start Date: 2010/11/19 Start Time: 14:30:00

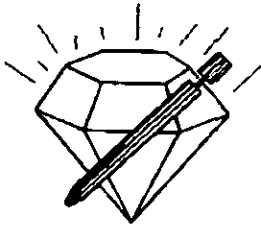
End Date: 2010/11/19 End Time: 20:05:00

Report Date: 2010/11/19 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

### Remarks:

RECOVERY: 10' VERY SLIGHTLY OIL CUT MUD



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

ON 14:30 11/19/10

OFF 20:05 11/19/10

## DRILL-STEM TEST TICKET

STC/KOb13-1dst4

Company O'BRIEN RESOURCES LLC. Lease & Well No. 13-1 KOB  
 Contractor WW DRILLING RIG 2 Charge to O'BRIEN RESOURCES LLC.  
 Elevation 2123 K.B Formation LANS 180' Effective Pay \_\_\_\_\_ Ft. Ticket No. D855  
 Date 11/19/10 Sec. 13 Twp. 10 S Range 33 W County THOMAS State KANSAS  
 Test Approved By KIM SHOEMAKER Diamond Representative JOHN C. RIEDL

Formation Test No. 4 Interval Tested from 4231 ft. to 4256 ft. Total Depth 4256 ft.  
 Packer Depth 4226 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 4231 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4234 ft. Recorder Number 30046 Cap. 3259 P.S.I.  
 Bottom Recorder Depth (Outside) 4253 ft. Recorder Number 11073 Cap. 4,000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 51 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
 Weight 9.1 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 3,200 P.P.M. Drill Pipe Length 4085 ft. I.D. 3 1/2 in.  
 Jars: Make BOWEN Serial Number #2 Test Tool Length 26 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 25 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK DEAD IN 15 MINUTES NO BB  
 2nd Open: NO BLOW NO BB

Recovered 15 ft. of VSLOCM (3%OIL 97%MUD)  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY: 15' IN DRILL COLLARS</u>	Insurance
	Total

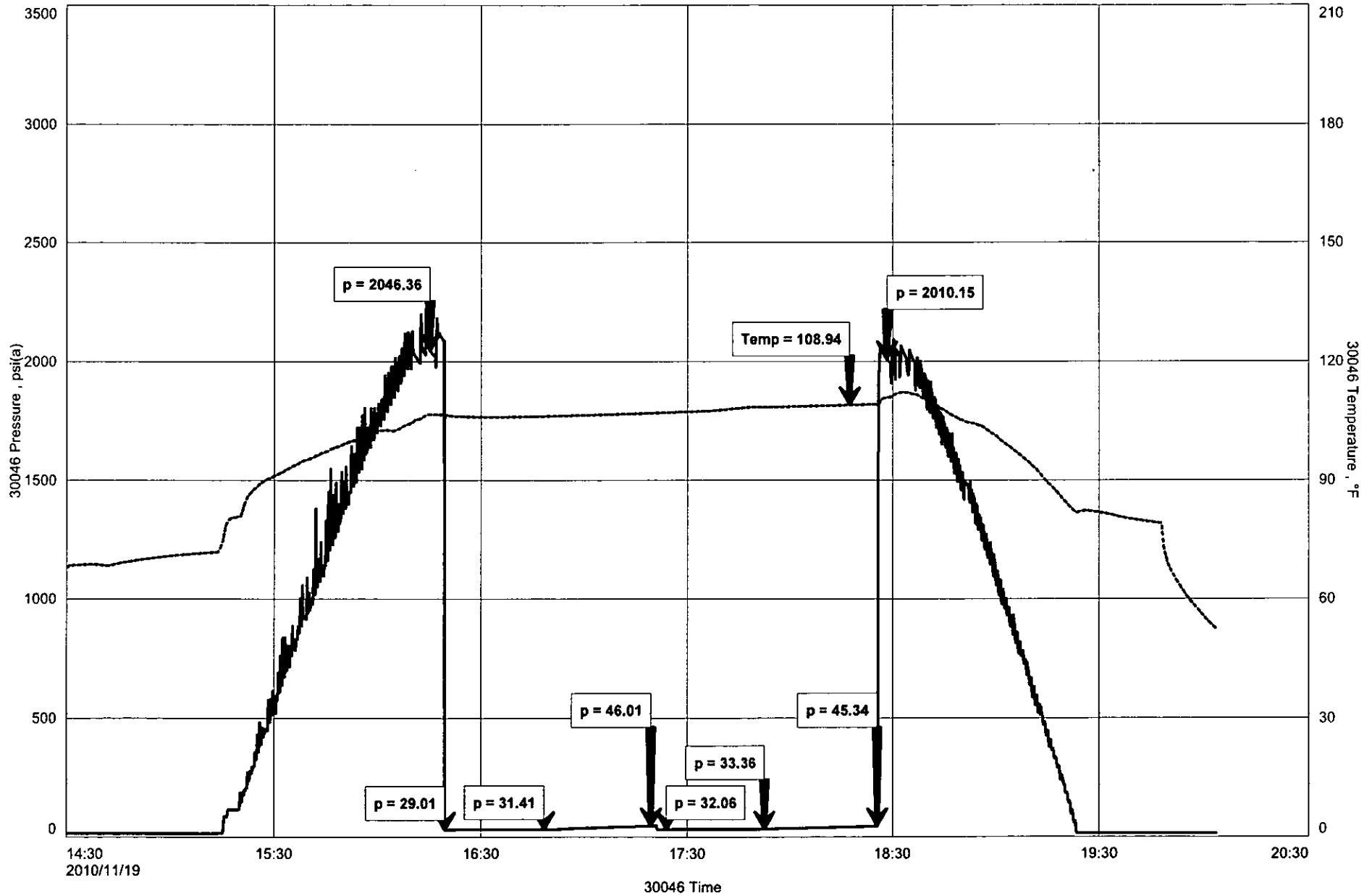
Time Set Packer(s) 4:20 P.M A.M. P.M. Time Started Off Bottom 6:20 P.M A.M. P.M. Maximum Temperature 108  
 Initial Hydrostatic Pressure ..... (A) 2046 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 29 P.S.I. to (C) 31 P.S.I.  
 Initial Closed In Period ..... Minutes 30 (D) 46 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 32 P.S.I. to (F) 33 P.S.I.  
 Final Closed In Period ..... Minutes 30 (G) 45 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2010 P.S.I.

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O'BRIEN RESOURCES LLC.  
Start Test Date: 2010/11/19  
Final Test Date: 2010/11/19

13-1 ROBBINS  
Formation: LKC 180'  
Job Number: D855

# 13-1 ROBBINS



## GENERAL INFORMATION

### Client Information:

Company: O'BRIEN RESOURCES LLC.

Contact: JIM ROBBINS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: 13-1 KOB

Operator: O'BRIEN RESOURCES LLC.

Location-Downhole:

Location-Surface: S13/10S/33W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D856

Test Unit:

Start Date: 2010/11/20 Start Time: 06:25:00

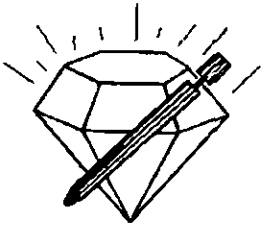
End Date: 2010/11/20 End Time: 13:45:00

Report Date: 2010/11/20 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

### Remarks:

RECOVERY: 150' GIP, 60'GASSY OIL  
60 GAS+OIL CUT WATERY MUD, 250' WATER



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313

ON 06:25 11/20/10

OFF 13:45 11/20/10

## DRILL-STEM TEST TICKET

STC/KOb13-1dst5

Company O'BRIEN RESOURCES LLC. Lease & Well No. 13-1 KOB

Contractor WW DRILLING RIG 2 Charge to O'BRIEN RESOURCES LLC.

Elevation 2123 K.B Formation LKC 200'+220' Effective Pay \_\_\_\_\_ Ft. Ticket No. D856

Date 11/20/10 Sec. 13 Twp. 10 S Range 33 W County THOMAS State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative JOHN C. RIEDL

Formation Test No. 5 Interval Tested from 4258 ft. to 4320 ft. Total Depth 4320 ft.

Packer Depth 4253 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 4258 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4261 ft. Recorder Number 30046 Cap. 3259 P.S.I.

Bottom Recorder Depth (Outside) 4317 ft. Recorder Number 11073 Cap. 4,000 P.S.I.

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,600 P.P.M. Drill Pipe Length 4112 ft. I.D. 3 1/2 in.

Jars: Make BOWEN Serial Number #2 Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 62 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.O.B 28 MINUTES) NO BB

2nd Open: STRONG (B.O.B 30 MINUTES) NO BB

Recovered 150 ft. of GIP

Recovered 60 ft. of GO (10%GAS 90%OIL) 35 GRAVITY % 60 DEGREES

Recovered 60 ft. of G+OCWM (10%GAS 10% OIL 30%WATER 50%WATER)

Recovered 240 ft. of WATER CHLORIDES 45,000pPM RES 1.9 @ 50 DEGREES

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: TOTAL FLUID RECOVERY:360'(240' IN DRILL PIPE,120" IN DRILL COLLARS

\_\_\_\_\_

\_\_\_\_\_

Time Set Packer(s) 8:30 A.M A.M. P.M. Time Started Off Bottom 11:30 A.M A.M. P.M. Maximum Temperature 128

Initial Hydrostatic Pressure \_\_\_\_\_ (A) 2086 P.S.I.

Initial Flow Period \_\_\_\_\_ Minutes 30 (B) 39 P.S.I. to (C) 127 P.S.I.

Initial Closed In Period \_\_\_\_\_ Minutes 45 (D) 1218 P.S.I.

Final Flow Period \_\_\_\_\_ Minutes 45 (E) 136 P.S.I. to (F) 211 P.S.I.

Final Closed In Period \_\_\_\_\_ Minutes 60 (G) 1212 P.S.I.

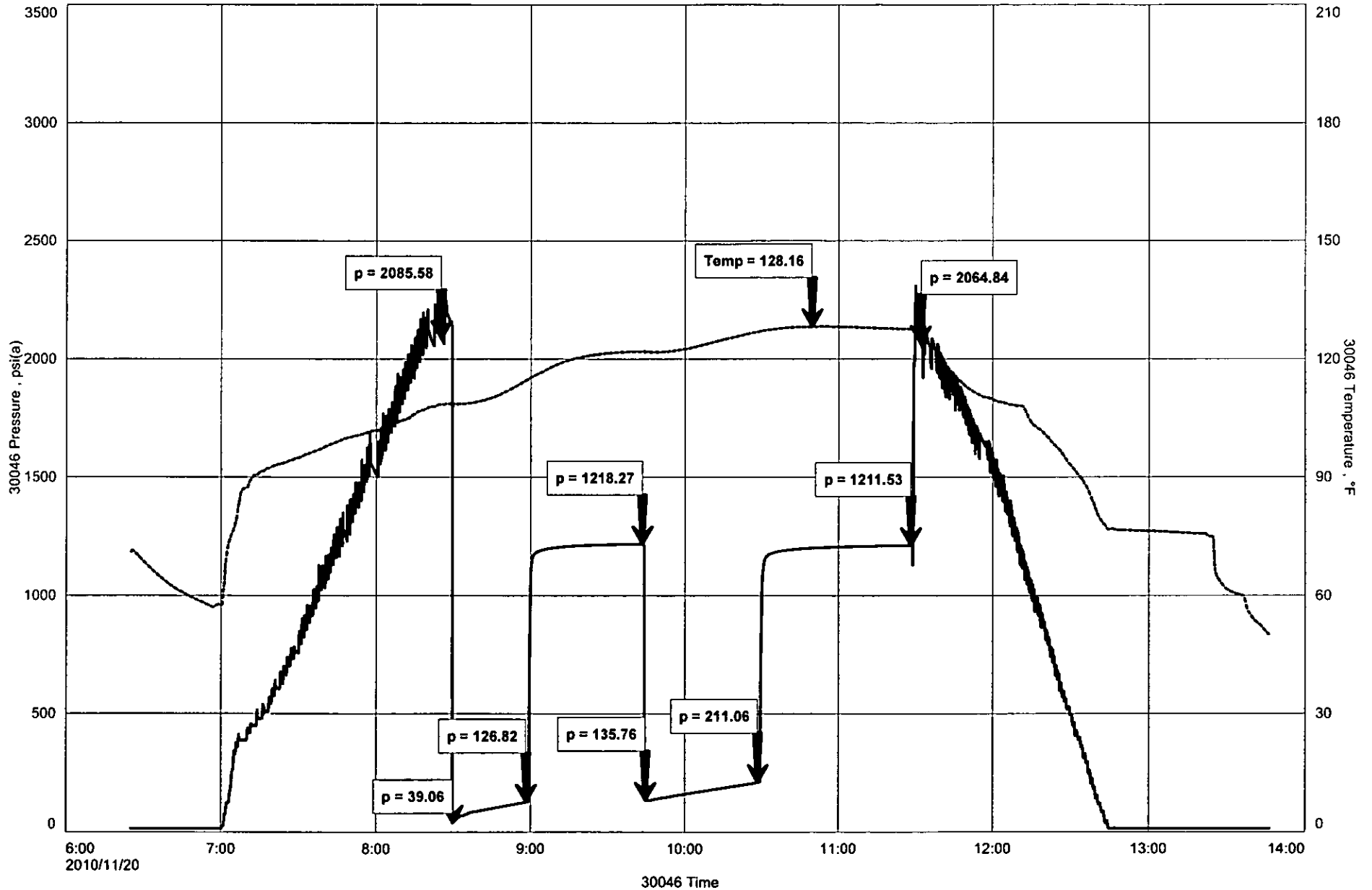
Final Hydrostatic Pressure \_\_\_\_\_ (H) 2067 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

O'BRIEN RESOURCES LLC.  
Start Test Date: 2010/11/20  
Final Test Date: 2010/11/20

13-1 KOB  
Formation: LKC 200'+ 220'  
Job Number: D856

# 13-1 KOB





## GENERAL INFORMATION

### Client Information:

Company: O'BRIEN RESOURCES LLC.  
Contact: JIM ROBBINS  
Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER  
Phone: Fax: e-mail:

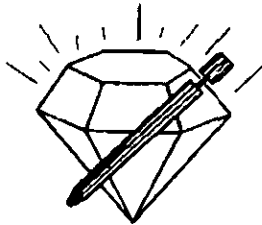
### Well Information:

Name: 13-1 KOB  
Operator: O'BRIEN RESOURCES LLC.  
Location-Downhole:  
Location-Surface: S13/10S/33W

### Test Information:

Company: DIAMOND TESTING  
Representative: JOHN RIEDL  
Supervisor: KIM SHOEMAKER  
Test Type: CONVENTIONAL Job Number: D857  
Test Unit:  
Start Date: 2010/11/21 Start Time: 10:10:00  
End Date: 2010/11/21 End Time: 17:00:00  
Report Date: 2010/11/21 Prepared By: JOHN RIEDL  
Remarks: Qualified By: KIM SHOEMAKER

RECOVERY: 370' GAS IN PPE, 45' OIL CUT GASSY MUD  
180' MUD CUT GASSY OIL



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

ON 10:10 11/21/10

OFF 17:00 11/21/10

## DRILL-STEM TEST TICKET

STC/KOb13-1dst6

Company O'BRIEN RESOURCES LLC. Lease & Well No. 13-1 KOB  
 Contractor WW DRILLING RIG 2 Charge to O'BRIEN RESOURCES LLC.  
 Elevation 2123 K.B Formation PAWNEE, FT SCOTT Effective Pay \_\_\_\_\_ Ft. Ticker No. D857  
 Date 11/21/10 Sec. 13 Twp. 10 S Range 33 W County THOMAS State KANSAS  
 Test Approved By KIM SHOEMAKER Diamond Representative JOHN C. RIEDL

Formation Test No. 6 Interval Tested from 4445 ft. to 4530 ft. Total Depth 4530 ft.  
 Packer Depth 4440 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 4445 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4448 ft. Recorder Number 30046 Cap. 3259 P.S.I.  
 Bottom Recorder Depth (Outside) 4527 ft. Recorder Number 11073 Cap. 4,000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
 Weight 9.1 Water Loss 7.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 3,600 P.P.M. Drill Pipe Length 4299 ft. I.D. 3 1/2 in.  
 Jars: Make BOWEN Serial Number #2 Test Tool Length 26 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 85 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2<sup>XH</sup> in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (10") NO BB  
 2nd Open: STRONG (B.O.B 20 MINUTES) NO BB

Recovered 370 ft. of GIP  
 Recovered 45 ft. of OCGM (5%OIL 35%GAS 60%MUD)  
 Recovered 180 ft. of MCGO (20%MUD 40%GAS 40%OIL)

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY: 225' (105' IN DRILL PIPE, 120' IN DRILL COLLARS)</u>	Insurance
_____	Total

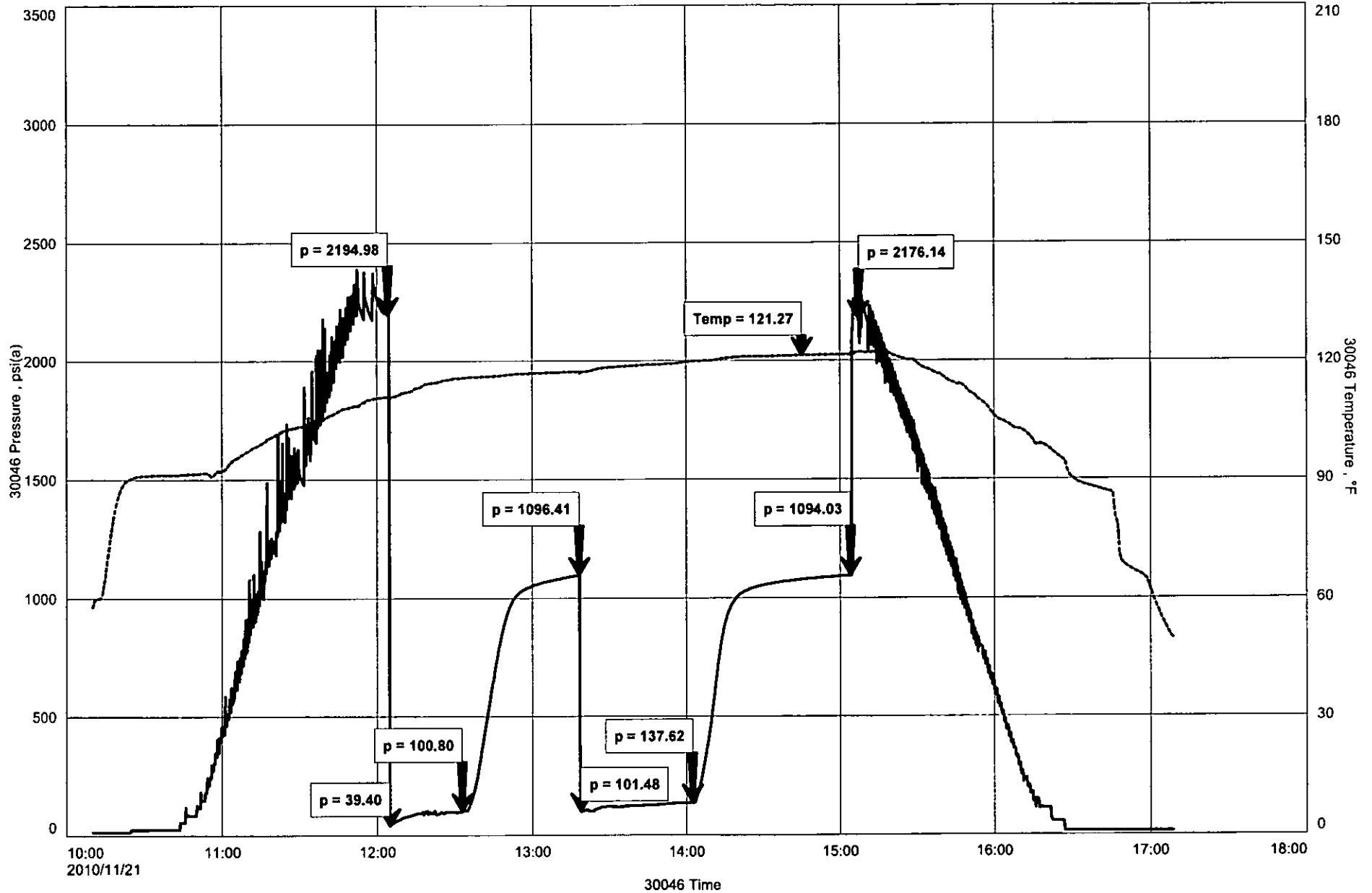
Time Set Packer(s) 12:00 P.M. A.M. P.M. Time Started Off Bottom 3:00 P.M. A.M. P.M. Maximum Temperature 121  
 Initial Hydrostatic Pressure ..... (A) 2195 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 39 P.S.I. to (C) 101 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 1096 P.S.I.  
 Final Flow Period ..... Minutes 45 (E) 101 P.S.I. to (F) 138 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 1094 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2176 P.S.I.

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O'BRIEN RESOURCES LLC.  
Start Test Date: 2010/11/21  
Final Test Date: 2010/11/21

13-1 KOB  
Formation: PAWNEE, FORT SCOTT  
Job Number: D857

# 13-1 KOB



## GENERAL INFORMATION

### Client Information:

Company: O'BRIEN ENERGY LLC

Contact: JIM ROBBINS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: 13-1 KOB

Operator: O'BRIEN ENERGY LLC

Location-Downhole:

Location-Surface: S13/10S/33W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D858

Test Unit:

Start Date: 2010/11/22 Start Time: 05:20:00

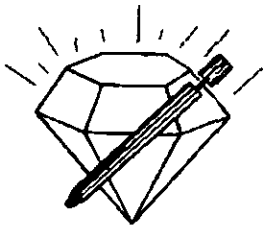
End Date: 2010/11/22 End Time: 12:15:00

Report Date: 2010/11/22 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

### Remarks:

RECOVERY: 40' GAS IN PIPE  
20' GAS CUT MUD



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

ON 05:20 11/22/10

OFF 12:15 11/22/10

## DRILL-STEM TEST TICKET

STC/Kob13-1dst7

Company O'BRIEN RESOURCES LLC. Lease & Well No. 13-1 KOB

Contractor WW DRILLING RIG 2 Charge to O'BRIEN RESOURCES LLC.

Elevation 2123 K.B Formation CHER, JOHNSON Effective Pay \_\_\_\_\_ Ft. Ticket No. D858

Date 11/22/10 Sec. 13 Twp. 10 S Range 33 W County THOMAS State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative JOHN C. RIEDL

Formation Test No. 7 Interval Tested from 4528 ft. to 4620 ft. Total Depth 4620 ft.

Packer Depth 4523 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 4528 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4531 ft. Recorder Number 30046 Cap. 3259 P.S.I.

Bottom Recorder Depth (Outside) 4617 ft. Recorder Number 11073 Cap. 4,000 P.S.I.

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 61 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 7.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,800 P.P.M. Drill Pipe Length 4382 ft. I.D. 3 1/2 in.

Jars: Make BOWEN Serial Number #2 Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 92 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2<sup>XH</sup> in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK (2") NO BB

2nd Open: WEAK (1/4") NO BB

Recovered 40 ft. of GAS IN PIPE

Recovered 20 ft. of GCM (15%GAS 85%MUD)

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: TOTAL FLUID RECOVERY: 20' IN DRILL COLLARS

\_\_\_\_\_

\_\_\_\_\_

Time Set Packer(s) 7:20 A.M A.M. P.M. Time Started Off Bottom 9:20 A.M A.M. P.M. Maximum Temperature 119

Initial Hydrostatic Pressure \_\_\_\_\_ (A) 2260 P.S.I.

Initial Flow Period \_\_\_\_\_ Minutes 30 (B) 34 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period \_\_\_\_\_ Minutes 30 (D) 982 P.S.I.

Final Flow Period \_\_\_\_\_ Minutes 30 (E) 50 P.S.I. to (F) 51 P.S.I.

Final Closed In Period \_\_\_\_\_ Minutes 30 (G) 744 P.S.I.

Final Hydrostatic Pressure \_\_\_\_\_ (H) 2250 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

O'BRIEN ENERGY LLC  
Start Test Date: 2010/11/22  
Final Test Date: 2010/11/22

13-1 KOB  
Formation: CHEROKEE/JOHNSON  
Job Number: D858

# 13-1 KOB

