

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

ORIGINAL

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 32705
Name: Thomas Raney
Address 1: 3425 Tam Oshanter Dr.
Address 2: _____
City: Lawrence State: KS Zip: 66047 + _____
Contact Person: Thomas Raney
Phone: (785) 749-0672
CONTRACTOR: License # 5184
Name: Shields Drilling
Wellsite Geologist: Duane Stecklein
Purchaser: Coffeyville Resources

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: N/A
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>5/30/11</u>	<u>6/4/11</u>	<u>7/1/11</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-23954-00-00
Spot Description: NW/SE/SW/SW
NW SE SW SW Sec. 13 Twp. 10 S. R. 20 East West
545 Feet from North / South Line of Section
845 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rooks
Lease Name: Sutor Well #: C-1
Field Name: Marcotte
Producing Formation: Arbuckle
Elevation: Ground: 2157 Kelly Bushing: 2162
Total Depth: 3729 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 236 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1638 Feet
If Alternate II completion, cement circulated from: 1638
feet depth to: surf w/ 350 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 5000 ppm Fluid volume: 500 bbls
Dewatering method used: Hauled to disposal, then let dry and fill
Location of fluid disposal if hauled offsite:
Operator Name: Raney Oil
Lease Name: Sutor B License #: 32705
Quarter NW Sec. 13 Twp. 10 S. R. 20 East West
County: Rooks Permit #: 151630209

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FEB 17 2012

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2070, 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 of 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.

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.

Signature: Thomas Raney, LLC
Title: Member Date: 2.14.12

KCC Office Use ONLY

Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Dg Date: 3/19/12

Operator Name: Thomas Raney Lease Name: Sutor Well #: C-1
 Sec. 13 Twp. 10 S. R. 20 East West County: Rooks

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 type="checkbox"/> Yes <input checked="" 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: RAG	<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>ANH</td> <td>1597</td> <td>+565</td> </tr> <tr> <td>TOP</td> <td>3183</td> <td>-1021</td> </tr> <tr> <td>HEEB</td> <td>3389</td> <td>-1227</td> </tr> <tr> <td>LKC</td> <td>3427</td> <td>-1265</td> </tr> <tr> <td>ARB</td> <td>3726</td> <td>-1564</td> </tr> <tr> <td>RTD</td> <td>3729</td> <td>-1567</td> </tr> </table>	Name	Top	Datum	ANH	1597	+565	TOP	3183	-1021	HEEB	3389	-1227	LKC	3427	-1265	ARB	3726	-1564	RTD	3729	-1567
Name	Top	Datum																				
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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
SURF		8 5/8		236'	Comm	150	2% gel 3%cc
PROD		5 1/2		3724	Comm	150	10% salt, 2% gel

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size: <u>2 7/8</u>	Set At: <u>3700'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	KCC WICHITA
Date of First, Resumed Production, SWD or ENHR. <u>7/1/11</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	Oil Bbls. <u>29</u>	Gas Mcf	Water Bbls. <u>10</u>	Gas-Oil Ratio	Gravity <u>28</u>

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 checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3726-29 OH</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

GEOLOGICAL REPORT

Raney Oil Company, LLC

Sutor C #1

NW - SE - SW - SW

545' FSL + 845' FWL

SEC. 13 TWP 10s RGE 20w

Rooks County, Kansas

COMMENCED: 05/30/11

COMPLETED: 06/04/11

CONTRACTOR: Shields Drilling

SURFACE PIPE: 8 ½ at 230'

PRODUCTION PIPE: 5 ½ at 3726'

July 16, 2011

RECEIVED

FEB 17 2012

KCC WICHITA

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COMPLETED: 06/04/11
CONTRACTOR: Shields Drilling
SURFACE PIPE: 8 ½ at 230'
PRODUCTION PIPE: 5 ½ at 3726'**

July 16, 2011

Formation Data

Elevation: (2162 K.B.) – (2157 G.L.)
All top formations measured from 2162 K.B.

<u>FORMATION</u>	<u>SAMPLE TOPS</u>	<u>SEA-LEVEL DATUM</u>
Anhydrite	1599	+ 563
Topeka	3182	-1020
Heebner	3389	-1227
Toronto	3413	-1251
Lansing-K.C.	3429	-1267
Base-K.C.	3638	-1476
Conglomerate	3671	-1509
Simpson Sand	3720	-1558
Arbuckle	3726	-1564
R.T.D.	3729	-1567

<u>FORMATION</u>	<u>LOG TOPS</u>	<u>SEA-LEVEL DATUM</u>
Anhydrite	1597	+ 565
Topeka	3183	-1021
Heebner	3389	-1227
Toronto	3411	-1249
Lansing-K.C.	3427	-1265
Base-K.C.	3637	-1475
Conglomerate	3672	-1510
Simpson Sand	3720	-1558
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All samples were examined and described by me on actual location and did not start until a depth of 3150' was reached. All zones and sample tops examined are all true and accurate according to drillers depth.

One foot drilling time was logged from a depth of 3100' to 3729', and all zones were examined by ten foot samples at a rotary depth of 3150' to 3450'. Five foot samples were examined from a rotary depth of 3455' to 3729'.

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Sample Description

Following are the pertinent geological formations and all zones of subject well Sutor C #1.

THE FOLLOWING ZONES WERE NOTED:

TOPEKA	3182-3202	Limestone – gray to buff, fine crystalline, poor to no inter porosity, no show of oil or odor.
	3207-3217	Limestone – gray to buff, fine crystalline to sucrosic and chalky in part, no show of oil or odor.
DEER CREEK	3231-3255	Limestone – tan to cream, fine crystalline to chalky, poor inter porosity; no show of oil or odor.
	3256-3276	Limestone – cream to white, fine crystalline, chalky and poor inter porosity, no show of oil or odor.
LECOMPTON	3291-3325	Limestone – cream to tan, very dense lime, poor to no inter porosity, no show of oil or odor.
OREAD LIME	3336-3356	Limestone – cream to white, dense to chalky, no show of oil or odor.
	3358-3388	Limestone – same as above.
TORONTO	3413-3420	Limestone – white, fine crystalline to cherty, no inter porosity, no show of oil or odor.
LANSING – K.C.		
(A-Zone)	3429-3438	Limestone – white to cream, fine crystalline to very dense and cherty, no inter porosity, no show of oil or odor.
(B-Zone)	3448-3454	Limestone – same as above.

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(B-Zone)	3448-3454	Limestone – same as above.

(C-Zone)	3465-3478	Limestone – white, very fine crystalline with poor inter porosity, very slight show of oil stain, no odor, cherty in part with a black residual stain.
(D-Zone)	3480-3490	Limestone – white, fine to medium crystalline, chalky, poor inter porosity, show of oil stain, no odor.
(F-Zone)	3504-3510	Limestone – same as above with black heavy tar.
(G-Zone)	3516-3526	Limestone – white to cream, very dense lime, poor to no inter porosity, no show of oil or odor.
(H-Zone)	3562-3574	Limestone – white, very dense lime, poor to no inter porosity, no show of oil or odor.
(I-Zone)	3581-3590	Limestone – white to cream, very dense lime, poor inter porosity, slight show of oil stain, show of vuggs, slight odor. (Zone may be fractured).
(J-Zone)	3602-3610	Limestone – white, very fine crystalline, poor inter porosity, chalky in part, show of oil stain, odor noted.
(K-Zone)	3618-3624	Limestone - same as above, with a show of free oil.
CONGLOMERATE	3671-3717	Chert, Shale + Clay Chert – yellow, white and opaque. Shale – Red + Gray Show of black residual stain on chert.
Simpson Sand	3720-3726	Sand – translucent, very small show of oil, odor noted.
ARBUCKLE	3726-3728	Dolomite – cream, very fine crystalline, poor inter porosity, with a show of free oil and odor.
	3728-3729	Dolomite – cream, very fine crystalline, sucrosic and friable in part, fair show of saturated stain to free oil, fair odor.

(C-Zone)	3465-3478	Limestone – white, very fine crystalline with poor inter porosity, very slight show of oil stain, no odor, cherty in part with a black residual stain.
(D-Zone)	3480-3490	Limestone – white, fine to medium crystalline, chalky, poor inter porosity, show of oil stain, no odor.
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ARBUCKLE	3726-3728	Dolomite – cream, very fine crystalline, poor inter porosity, with a show of free oil and odor.
	3728-3729	Dolomite – cream, very fine crystalline, sucrosic and friable in part, fair show of saturated stain to free oil, fair odor.

Remarks and Conclusion

During the drilling of the Sutor C #1, the drill stem test in the Arbuckle recovered fair amount of oil with good bottom hole pressure, operator of Raney Oil decided to set production casing to further test the Sutor C #1.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Duane Stecklein".

Duane Stecklein, Geologist

ALLIED CEMENTING CO., LLC. 039711

TO P.O. BOX 31
NUSSALL, KANSAS 67665

SERVICE POINT

Stessell 15

5-30-2011	SEC. 13	TWP. 10	RANGE 20	CALLED OUT	ON LOCATION	JOB START AM	JOB FINISH 3:00 PM
WELL # C-1	LOCATION Zurich Ks. 3 1/2 S. 13. 1/2 E.			COUNTY		STATE	
(Circle one)				K.E. INTO			

FOR *Shield's Doss, Rpt* OWNER

12 29 TD. *236* CEMENT

12 29 B-78 SURFACE DEPTH *235* AMOUNT ORDERED *150 Bx Can 30 cc*

DEPTH DEPTH DEPTH

250 1/4 MINIMUM COMMON POZMIX

SHOE JOINT GEL CHLORIDE ASC

IN CSO *15* EQUIPMENT

TRUCK CEMENTER *Glen* TRUCK HELPER *Woody*

TRUCK DRIVER *MARK* TRUCK DRIVER

HANDLING MILEAGE

REMARKS: TOTAL

150 cc can 30 cc 14 cc / ml 350 SERVICE

Agent D.D. Circulate DEPTH OF JOB PUMP TRUCK CHARGE

6 cc / ml EXTRA FOOTAGE MILEAGE

MARK MANIFOLD *YES (85)*

Plugs Oil Cement 30 cc 2 lbs TOTAL *333*

STATE ZIP PLUG & FLOAT EQUIPMENT

ALLIED CEMENTING CO., LLC

Equipment requested to rent cementing equipment

ALLIED CEMENTING CO., LLC. 039718

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell, KS

DATE <i>6-9-2011</i>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <i>8:45 AM</i>	JOB FINISH <i>10:00 AM</i>
WELL <i>C-1</i>		LOCATION <i>Suctor School 1S 34E</i>		COUNTY <i>ROCKS</i>	STATE <i>KANSAS</i>		

DRILLER <i>Shield Dalg. Rig #2</i>	OWNER
TYPE OF PRODUCTION <i>STRING (D-Y)</i>	CEMENT
SIZE <i>2 1/8</i>	AMOUNT ORDERED <i>150 SY Com 10% SAT</i>
SIZE <i>5 1/2 New</i>	<i>200 GAL + 400 SY LIME + 4" FAN SEAL</i>
SIZE <i>1 1/4 CSG</i>	<i>500 GAL WITH 2 000 FUEL</i>
TYPE LATCH <i>Down Plug</i>	COMMON
TOOL @	POZ MIX
MAX DEPTH <i>1635</i>	GEL
MINIMUM SHOE JOINT <i>36.90</i>	CHLORIDE
AMT LEFT IN CSG <i>36.90</i>	ASC
CEMENT <i>40/88L 90/88L</i>	
EQUIPMENT	

TRUCK
723 DRIVER *MARK*

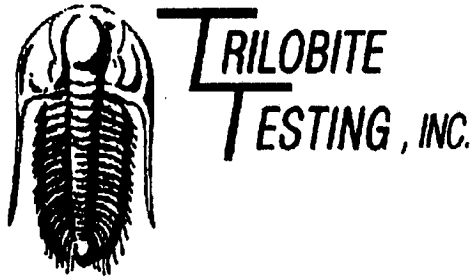
TRUCK
723 DRIVER *MARK*

REMARKS:	TOTAL
<i>97 JTS. New 11 # 5.5 CSG. SAT @ 3224</i>	
<i>open @ 1500 ft. circulate another</i>	
<i>minutes to clean well bore, mix</i>	DEPTH OF JOB
<i>Line Release LATCH DN, plug & Latch @</i>	PUMP TRUCK CHARGE
<i>Drop part, & open DU tool</i>	EXTRA FOOTAGE
<i>MIXED 400 SY LIME + 4" DISPER</i>	MILEAGE
<i>LATCH @ 1700 ft. to close DU tool</i>	MANIFOLD
<i>THANKS</i>	
TO <i>Roney Oil Company</i>	TOTAL

STATE	ZIP	PLUG & FLOAT EQUIPMENT
		B 1- Packer Shoe
		B 1- Centralizers
		B 2- BASKETS
		Arrow 1- Down Tools
		Arrow 1- Latch Down Assy

Cement did circulate to surface, pumped approx 50 SY cement in pit.

Requested to rent cementing equipment



DRILL STEM TEST REPORT

Prepared For: **Raney Oil Company, LLC.**

3425 Tam O'Shanter
Lawrence, KS 66047

ATTN: Duane

13-10s-20w-Rooks,KS

Sutor C-1

Start Date: 2011.06.03 @ 23:55:29

End Date: 2011.06.04 @ 06:40:59

Job Ticket #: 42893 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

RECEIVED
FEB 17 2012
KCC WICHITA



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raney Oil Company, LLC.

Sutor C-1

3425 Tam O'Shanter
Lawrence, KS 66047

13-10s-20w-Rooks, KS

Job Ticket: 42893

DST#: 1

ATTN: Duane

Test Start: 2011.06.03 @ 23:55:29

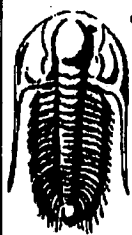
Tool Information

Drill Pipe:	Length: 3248.00 ft	Diameter: 3.80 inches	Volume: 45.56 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 468.00 ft	Diameter: 2.70 inches	Volume: 3.31 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	5000.00 lb
			<u>Total Volume: 48.87 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	41000.00 lb
Depth to Top Packer:	3714.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	15.00 ft				
Tool Length:	35.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3695.00	
Shut In Tool	5.00			3700.00	
Hydraulic tool	5.00			3705.00	
Packer	5.00			3710.00	20.00 Bottom Of Top Packer
Packer	4.00			3714.00	
Stubb	1.00			3715.00	
Perforations	1.00			3716.00	
Recorder	0.00	8354	Inside	3716.00	
Recorder	0.00	8520	Outside	3716.00	
Perforations	10.00			3726.00	
Bullnose	3.00			3729.00	15.00 Bottom Packers & Anchor

Total Tool Length: 35.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raney Oil Company, LLC.

Sutor C-1

3425 Tam O'Shanter
Lawrence, KS 66047

13-10s-20w-Rooks, KS

Job Ticket: 42893

DST#: 1

ATTN: Duane

Test Start: 2011.06.03 @ 23:55:29

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 01:34:09

Time Test Ended: 06:40:59

Test Type: **Conventional Bottom Hole**

Tester: **Dustin Rash**

Unit No: **38**

Interval: **3714.00 ft (KB) To 3729.00 ft (KB) (TVD)**

Total Depth: **3729.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2164.00 ft (KB)**

2159.00 ft (CF)

KB to GRVCF: 5.00 ft

Serial #: 8354

Inside

Press@RunDepth: **461.41 psig @ 3716.00 ft (KB)**

Start Date: **2011.06.04**

End Date:

2011.06.04

Capacity:

8000.00 psig

Start Time: **00:05:29**

End Time:

06:40:59

Last Calib.:

2011.06.04

Time On Btm:

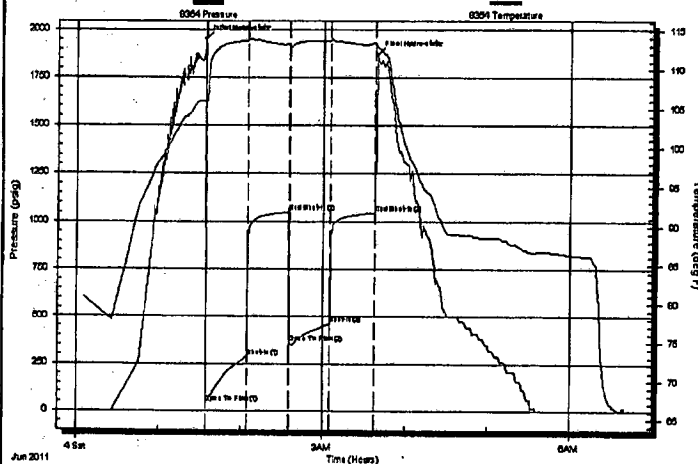
2011.06.04 @ 01:33:19

Time Off Btm:

2011.06.04 @ 03:38:59

TEST COMMENT: IF-Strong building blow . BOB in 4&1/2 minutes.
IS-No Return.
FF-Strong building blow . BOB in 7&1/2 minutes.
FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1951.88	106.06	Initial Hydro-static
1	42.97	105.18	Open To Flow (1)
32	287.09	113.71	Shut-In(1)
62	1051.22	113.33	End Shut-In(1)
63	360.67	113.05	Open To Flow (2)
92	461.41	113.75	Shut-In(2)
125	1046.59	113.44	End Shut-In(2)
126	1869.90	112.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	90%Water/10%Mud	1.32
186.00	60%Water/30%Oil/10%Mud	1.32
310.00	70%Oil/30%Water	3.68
198.00	95%Oil/5%Gas	2.78

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)

