



KANSAS CORPORATION COMMISSION 1114916
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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1114916

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Molitor Oil, Inc.
Well Name	Bohrer 2
Doc ID	1114916

All Electric Logs Run

Dual Compensated Perosity Log
Microresistiviety Log
Dual induction Log
Sonic Bond Log

ALLIED OIL & GAS SERVICES, LLC 056519

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell KS

DATE 9-9-12	SEC. 25	TWP. 29	RANGE 9	CALLED OUT	ON LOCATION	JOB START 5:30 AM	JOB FINISH 6:00 AM
Bohrer LEASE	WELL # 2	LOCATION Zenda Ks 3M 2.E 1/2 N Winto			Kingman	COUNTY	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR <u>Hard + Drilling #1</u>	OWNER
TYPE OF JOB <u>long string</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4705</u>
CASING SIZE <u>4 1/2 10.5"</u>	DEPTH <u>4716.82</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>20.49</u>
CEMENT LEFT IN CSG. <u>20.49 ft</u>	
PERFS.	
DISPLACEMENT <u>74.67 bbl</u>	

CEMENT	AMOUNT ORDERED <u>30 sts 60/40 4% gel</u>
	<u>250 ASC 5% Kol-seal, 8% FL 160, 1.75% Gas Blocker, 8 gal KCL</u>
COMMON	<u>18 @ 17.90 322.20</u>
POZMIX	<u>12 @ 9.35 112.20</u>
GEL	<u>1 @ 23.40 23.40</u>
CHLORIDE	@
ASC	<u>250 @ 20.90 5225.00</u>
Kol-seal 1250	<u>2 @ 0.98 1225.00</u>
De-foamer 450	<u>4 @ 9.80 490.00</u>
FL-160 200	<u>1 @ 18.90 18.90</u>
Gas Blocker 176 3 dubs	<u>1 @ 18.00 3168.00</u>
FL-160 200	<u>1 @ 18.90 3780.00</u>
KCL 8 gal	<u>1 @ 34.40 275.20</u>
	<u>343.41 @ 2.48 851.66</u>
HANDLING	@
MILEAGE <u>526.7238 t/m</u>	<u>7.60 1369.48</u>
TOTAL <u>16872.14</u>	

EQUIPMENT

PUMP TRUCK CEMENTER <u>Robert Y</u>	<u>Rob S.</u>
# <u>417</u>	HELPER <u>Woody O.</u>
BULK TRUCK	
# <u>473</u>	DRIVER <u>Walter K</u>
BULK TRUCK	
# <u>364</u>	DRIVER <u>Brandon Boer (ML)</u>

REMARKS:

ran 115 ft of used 4 1/2 10.5" csg. received circulation dropped the ball circulated for 1 hr mixed 15 sts in cathole of 60/40 4% gel mixed 15 sts of 60/40 plus 250 of ASC displaced 74 1/2 bbl of water to land plug at 1700 ft released

SERVICE

DEPTH OF JOB	<u>4705</u>
PUMP TRUCK CHARGE	<u>2767.75</u>
EXTRA FOOTAGE	@
MILEAGE 35 #VMI	<u>7.70 269.50</u>
MANIFOLD	@
35 LVMI	<u>4.40 154.00</u>
waiting Time 4	<u>440.00 0</u>

TOTAL 3191.25

CHARGE TO: Molitor Oil
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

latch down	<u>1 @ 272.61 272.61</u>
float shoe	<u>1 @ 496.08 496.08</u>
centralizers	<u>8 @ 56.16 449.28</u>
	@
	@

TOTAL 1217.97

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

PRINTED NAME Mark Molitor
SIGNATURE _____

SALES TAX (If Any) 1116.64
TOTAL CHARGES 21,251.36
DISCOUNT 4717.80 IF PAID IN 30 DAYS
Net 16,533.56 BS 9-9
before tax

ALLIED OIL & GAS SERVICES, LLC 056519

Federal Tax I.D.# 20-5975804

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MANIFOLD	@
35 LVAI	<u>@ 4.40 154.00</u>
waiting Time 4	<u>@ 440.00 0</u>

TOTAL 3191.25

CHARGE TO: Molitor Oil

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

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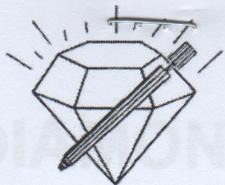
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PRINTED NAME Mark Molitor

SIGNATURE



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 BOHRER2DST7

Company Molitor Oil, Inc. Lease & Well No. Bohrer No. 2
 Elevation 1684 KB Formation Arbuckle Effective Pay Ft. Ticket No. T093
 Date 9-8-12 Sec. 25 Twp. 29S Range 9W County Kingman State Kansas
 Test Approved By Max Lovely Diamond Representative Tim Venters

Formation Test No. 7 Interval Tested from 4,698 ft. to 4,705 ft. Total Depth 4,705 ft.
 Packer Depth 4,693 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 4,698 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,679 ft. Recorder Number 8457 Cap. 10,000 psi.
 Bottom Recorder Depth (Outside) 4,702 ft. Recorder Number 11030 Cap. 5,025 psi.
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Hardt Drilling, LLC - Rig 1 Drill Collar Length 119 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 44 Weight Pipe Length ft I.D. in.
 Weight 8.8 Water Loss 14.8 cc. Drill Pipe Length 4,546 ft I.D. 3 1/2 in.
 Chlorides 10,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 4 Anchor Length 7 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: No blow. Flushed tool. Received a very weak, surface blow lasting 3-5 mins. No blow back during shut-in.
 2nd Open: Very weak, surface blow. No blow back during shut-in.

Recovered 60 ft. of mud = .295200 bbls.
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks Tool Sample Grind Out: 100%-mud

Time Set Packer(s) 1:05 A.M. Time Started off Bottom 3:35 A.M. Maximum Temperature 124°
 Initial Hydrostatic Pressure.....(A) 2180 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 36 P.S.I. to (C) 37 P.S.I.
 Initial Flow Period.....Minutes 45 (D) 50 P.S.I.





DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 BOHRER2DST7

Company Molitor Oil, Inc. Lease & Well No. Bohrer No. 2
 Elevation 1684 KB Formation Arbuckle Effective Pay Ft. Ticket No. T093
 Date 9-8-12 Sec. 25 Twp. 29S Range 9W County Kingman State Kansas
 Test Approved By Max Lovely Diamond Representative Tim Venters

Formation Test No. 7 Interval Tested from 4,698 ft. to 4,705 ft. Total Depth 4,705 ft.
 Packer Depth 4,693 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 4,698 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,679 ft. Recorder Number 8457 Cap. 10,000 psi.
 Bottom Recorder Depth (Outside) 4,702 ft. Recorder Number 11030 Cap. 5,025 psi.
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Hardt Drilling, LLC - Rig 1 Drill Collar Length 119 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 44 Weight Pipe Length ft I.D. in.
 Weight 8.8 Water Loss 14.8 cc. Drill Pipe Length 4,546 ft I.D. 3 1/2 in.
 Chlorides 10,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 4 Anchor Length 7 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: No blow. Flushed tool. Received a very weak, surface blow lasting 3-5 mins. No blow back during shut-in.
 2nd Open: Very weak, surface blow. No blow back during shut-in.

Recovered 60 ft. of mud = .295200 bbls.
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks Tool Sample Grind Out: 100%-mud

Time Set Packer(s) 1:05 A.M. Time Started off Bottom 3:35 A.M. Maximum Temperature 124°
 Initial Hydrostatic Pressure.....(A) 2180 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 36 P.S.I. to (C) 37 P.S.I.
 Initial Flow Period.....Minutes 45 (B) 50 P.S.I.





DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 BOHRER2DST6

Company Molitor Oil, Inc. Lease & Well No. Bohrer No. 2
 Elevation 1684 KB Formation Simpson Effective Pay -- Ft. Ticket No. T092
 Date 9-6-12 Sec. 25 Twp. 29S Range 9W County Kingman State Kansas
 Test Approved By Max Lovely Diamond Representative Tim Venters

Formation Test No. 6 Interval Tested from 4,583 ft. to 4,600 ft. Total Depth 4,600 ft.
 Packer Depth 4,578 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Packer Depth 4,583 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,564 ft. Recorder Number 8457 Cap. 10,000 psi.
 Bottom Recorder Depth (Outside) 4,597 ft. Recorder Number 11030 Cap. 5,025 psi.
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Hardt Drilling, LLC - Rig 1 Drill Collar Length 119 ft. I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 48 Weight Pipe Length -- ft. I.D. -- in.
 Weight 9.1 Water Loss 12.4 cc. Drill Pipe Length 4,431 ft. I.D. 3 1/2 in.
 Chlorides 8,500 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 4 Anchor Length 17 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out Yes Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

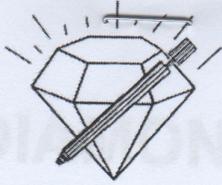
Blow: 1st Open: Strong blow increasing. Off bottom of bucket in 30 sec. Gas to surface. (SEE GAS VOLUME REPORT). Bottom of bucket blow back during shut-in.
 2nd Open: Very strong blow increasing. Off bottom of bucket immediately. Bottom of bucket blow back during shut-in.

Recovered 2,850 ft. of gas in pipe
 Recovered 90 ft. of slightly gas, water, & mud cut oil = 1.280700 bbls. (Grind out: 3%-gas; 82%-oil; 7%-water; 8%-mud) Gravity: 25
 Recovered 60 ft. of very slightly oil cut mud = .853800 bbls. (Grind out: 3%-oil; 97%-mud)
 Recovered 125 ft. of slightly gas & mud cut watery oil = 1.778750 bbls. (Grind out: 6%-gas; 49%-oil; 33%-water; 12%-mud)
 Recovered 1,365 ft. of slightly oil & mud cut water = 18.874660 bbls. (Grind out: 2%-oil; 92%-water; 6%-mud) Chlorides: 47,000 Ppm PH: 7.0 RW: .16 @ 66°
 Recovered 60 ft. of slightly gas & oil cut watery mud = .295200 bbls. (Grind out: 3%-gas; 6%-oil; 37%-water; 54%-mud)
 Recovered 1,700 ft. of TOTAL FLUID = 23.083110 bbls.

Remarks: Tool Sample Grind Out: 2%-gas; 67%-oil; 29%-water; 2%-mud

Time Set Packer(s) 4:25 P.M. Time Started off Bottom 8:10 P.M. Maximum Temperature 135°
 Initial Hydrostatic Pressure.....(A) 2138 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 175 P.S.I. to (C) 450 P.S.I.

Initial Closed In Period.....Minutes	60	(D)	1241 P.S.I.	
Final Flow Period.....Minutes	45	(E)	509 P.S.I	to (F) 726 P.S.I.
Final Closed In Period.....Minutes	90	(G)	1603 P.S.I.	
Final Hydrostatic Pressure.....		(H)	2132 P.S.I.	



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 BOHRER2DST5

Company Molitor Oil, Inc. Lease & Well No. Bohrer No. 2
 Elevation 1684 KB Formation Simpson Effective Pay Ft. Ticket No. T091
 Date 9-5-12 Sec. 25 Twp. 29S Range 9W County Kingman State Kansas
 Test Approved By Max Lovely Diamond Representative Tim Venters

Formation Test No. 5 Interval Tested from 4,532 ft. to 4,563 ft. Total Depth 4,563 ft.
 Packer Depth 4,527 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 4,532 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,513 ft. Recorder Number 8457 Cap. 10,000 psi.
 Bottom Recorder Depth (Outside) 4,529 ft. Recorder Number 11030 Cap. 5,025 psi.
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

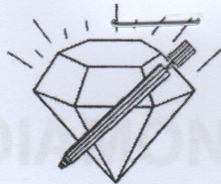
Drilling Contractor Hardt Drilling, LLC - Rig 1 Drill Collar Length 119 ft. I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 51 Weight Pipe Length ft. I.D. in.
 Weight 9.2 Water Loss 9.6 cc. Drill Pipe Length 4,380 ft. I.D. 3 1/2 in.
 Chlorides 7,500 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 4 Anchor Length 31 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 1/2 in. blow increasing. Off bottom of bucket in 5 mins. Weak, surface blow back during shut-in.
 2nd Open: Weak, surface blow increasing. Off bottom of bucket in 16 mins. Weak, surface blow back during shut-in.

Recovered 765 ft. of gas in pipe
 Recovered 40 ft. of oil cut mud = .569200 bbls. (Grind out: 34%-oil; 66%-mud)
 Recovered 65 ft. of slightly oil & water cut mud = .924950 bbls. (Grind out: 7%-oil; 9%-water; 84%-mud)
 Recovered 180 ft. of mud cut water w/ a trace of water = 1.453510 bbls. (Grind out: Trace-oil; 82%-water; 18%-mud) Chlorides: 47,000 Ppm PH: 6.5 RW: .13 @ 76°
 Recovered 285 ft. of TOTAL FLUID = 2.947660 bbls.
 Recovered ft. of
 Remarks Tool Sample Grind Out: Trace-oil; 98%-water; 2%-mud

Time Set Packer(s) 10:05 P.M. Time Started off Bottom 1:50 A.M. Maximum Temperature 131°
 Initial Hydrostatic Pressure.....(A) 2131 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 21 P.S.I. to (C) 78 P.S.I.
 Initial Closed In Period.....Minutes 60 (D) 1572

Initial Closed In Period.....minutes	00	(D)	1573	P.S.I.	
Final Flow Period.....Minutes	45	(E)	90	P.S.I.	to (F) 136 P.S.I.
Final Closed In Period.....Minutes	90	(G)	-1568	P.S.I.	
Final Hydrostatic Pressure.....		(H)	2126	P.S.I.	



DIAMOND TESTING
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HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 BOHRER2DST3

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 Elevation 1684 KB Formation Mississippi Effective Pay Ft. Ticket No. T089
 Date 9-3-12 Sec. 25 Twp. 29S Range 9W County Kingman State Kansas
 Test Approved By Max Lovely Diamond Representative Tim Venters

Formation Test No. 3 Interval Tested from 4,244 ft. to 4,256 ft. Total Depth 4,256 ft.
 Packer Depth 4,239 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 4,244 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,225 ft. Recorder Number 8457 Cap. 10,000 psi.
 Bottom Recorder Depth (Outside) 4,253 ft. Recorder Number 11029 Cap. 5,025 psi.
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Hardt Drilling, LLC - Rig 1 Drill Collar Length 119 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 49 Weight Pipe Length ft I.D. in.
 Weight 9.1 Water Loss 9.0 cc. Drill Pipe Length 4,092 ft I.D. 3 1/2 in.
 Chlorides 5,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 4 Anchor Length 12 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Very strong blow increasing. Off bottom of bucket immediately. Gas to surface in 4 mins. (SEE GAS VOLUME REPORT). No blow back during shut-in.
 2nd Open: Very strong blow increasing. Off bottom of bucket immediately. Weak surface blow back during shut-in.

Recovered 4,140 ft. of gas in pipe
 Recovered 10 ft. of mud = .049200 bbls.
 Recovered 60 ft. of water cut mud = .295200 bbls. (Grind out: 37%-water; 63%-mud) Chlorides: 19,000 Ppm PH: 7.5 RW: .27 @ 91°
 Recovered 70 ft. of TOTAL FLUID = .344400 bbls.
 Recovered ft. of
 Recovered ft. of

Remarks Tool Sample Grind Out: Gas blew out
Blow back during final shut-in lasted 20-30 mins.

Time Set Packer(s) 2:15 P.M. Time Started off Bottom 6:00 P.M. Maximum Temperature 118°
 Initial Hydrostatic Pressure.....(A) 2016 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 60 P.S.I. to (C) 81 P.S.I.

Initial Closed In Period.....Minutes	00	(D)	134	P.S.I.
Final Flow Period.....Minutes	45	(E)	78	P.S.I. to (F) 77 P.S.I.
Final Closed In Period.....Minutes	90	(G)	721	P.S.I.
Final Hydrostatic Pressure.....		(H)	2005	P.S.I.



DIAMOND TESTING

P.O. Box 157

Page 1 of 8 Pages

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

BOHRER2DST1

Company Molitor Oil, Inc. Lease & Well No. Bohrer No. 2
 Elevation 1684 KB Formation Swope Effective Pay Ft. Ticket No. T087
 Date 9-1-12 Sec. 25 Twp. 29S Range 9W County Kingman State Kansas
 Test Approved By Max Lovely Diamond Representative Tim Venters

Formation Test No. 1 Interval Tested from 3,894 ft. to 3,967 ft. Total Depth 3,967 ft.
 Packer Depth 3,889 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 3,894 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,875 ft. Recorder Number 8457 Cap. 10,000 psi.
 Bottom Recorder Depth (Outside) 3,964 ft. Recorder Number 11029 Cap. 5,025 psi.
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Hardt Drilling, LLC - Rig 1 Drill Collar Length 119 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 51 Weight Pipe Length ft I.D. in.
 Weight 9.2 Water Loss 9.6 cc. Drill Pipe Length 3,742 ft I.D. 3 1/2 in.
 Chlorides 5,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 4 Anchor Length 42' perf. w/ 31' drill pipe Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 1/2 in. blow increasing. Off bottom of bucket in 5 1/2 mins. No blow back during shut-in.
 2nd Open: Good, 2 in. blow increasing. Off bottom of bucket in 3 1/2 mins. Good, 5 in. blow back during shut-in.

Recovered 1,530 ft. of gas in pipe
 Recovered 20 ft. of slightly oil & gas cut mud = .284600 bbls. (Grind out: 6%-gas; 2%-oil; 92%-mud)
 Recovered 65 ft. of water & mud cut oily gas = .924950 bbls. (Grind out: 46%-gas; 23%-oil; 13%-water; 18%-mud)
 Recovered 60 ft. of slightly gas cut oily muddy water = .853800 bbls. (Grind out: 3%-gas; 23%-oil; 49%-water; 25%-mud)
 Recovered 120 ft. of mud cut water w/ a trace of oil = .599710 bbls. (Grind out: 89%-water; 11%-mud) Chlorides: 78,000 Ppm PH: 6.5 RW: .07 @ 92°
 Recovered 265 ft. of TOTAL FLUID = 2.663060 bbls.
 Remarks Tool Sample Grind Out: Trace-oil; 100%-water

Time Set Packer(s) 8:49 A.M. Time Started off Bottom 12:34 P.M. Maximum Temperature 117°
 Initial Hydrostatic Pressure.....(A) 1845 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 21 P.S.I. to (C) 68 P.S.I.

Initial Closed In Period.....Minutes	45	(D)	1302	P.S.I.
Final Flow Period.....Minutes	60	(E)	68	P.S.I. to (F) 127 P.S.I.
Final Closed In Period.....Minutes	90	(G)	1312	P.S.I.
Final Hydrostatic Pressure.....		(H)	1842	P.S.I.



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 BOHRER2DST2

Company Molitor Oil, Inc. Lease & Well No. Bohrer No. 2
 Elevation 1684 KB Formation Hertha Effective Pay Ft. Ticket No. T088
 Date 9-2-12 Sec. 25 Twp. 29S Range 9W County Kingman State Kansas
 Test Approved By Max Lovely Diamond Representative Tim Venters

Formation Test No. 2 Interval Tested from 3,960 ft. to 3,982 ft. Total Depth 3,982 ft.
 Packer Depth 3,955 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 3,960 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,941 ft. Recorder Number 8457 Cap. 10,000 psi.
 Bottom Recorder Depth (Outside) 3,979 ft. Recorder Number 11029 Cap. 5,025 psi.
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Hardt Drilling, LLC - Rig 1 Drill Collar Length 119 ft. I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 51 Weight Pipe Length ft. I.D. in.
 Weight 9.2 Water Loss 9.6 cc. Drill Pipe Length 3,808 ft. I.D. 3 1/2 in.
 Chlorides 5,000 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 4 Anchor Length 22 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Good, 1 1/2 in. blow increasing. Off bottom of bucket in 14 mins. No blow back during shut-in.
 2nd Open: Very weak, surface blow increasing to 7 ins. No blow back during shut-in.

Recovered 110 ft. of gas in pipe
 Recovered 135 ft. of slightly oil cut muddy water = 1.921050 bbls. (Grind out: 4%-oil; 67%-water; 29%-mud)
 Recovered 60 ft. of slightly mud cut water = .304510 bbls. (Grind out: 94%-water; 6%-mud) Chlorides: 97,000 Ppm PH: 6.5 RW: .08 @ 75°
 Recovered 60 ft. of muddy water = .295200 bbls. (Grind out: 52%-water; 48%-mud)
 Recovered 255 ft. of TOTAL FLUID = 2.520760 bbls.
 Recovered ft. of

Remarks Tool Sample Grind Out: 100%-water

Time Set Packer(s) 1:03 A.M. Time Started off Bottom 4:48 A.M. Maximum Temperature 118°
 Initial Hydrostatic Pressure.....(A) 1873 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 22 P.S.I. to (C) 77 P.S.I.
 Initial Flow Period.....Minutes 60 (D) 1065 P.S.I.

Initial Closed In Period.....Minutes	00	(D)	1000	P.S.I.	
Final Flow Period.....Minutes	45	(E)	83	P.S.I.	to (F) 126 P.S.I.
Final Closed In Period.....Minutes	90	(G)	1066	P.S.I.	
Final Hydrostatic Pressure.....		(H)	1873	P.S.I.	