

-00-00

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

Operator: License # 7076

Name: Black Diamond Oil, Inc.

Address 1105 E. 30th, Suite A

City/State/Zip Hays, KS 67601

Purchaser: _____

Operator Contact Person: Kenneth Vehige

Phone (913) - 625-5891

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Kenneth Vehige

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd:

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If **OWMO**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable *KCCDM*

10/12/89 10/19/89 10/19/89

Spud Date Date Reached TD Completion Date

API NO. 15- 163-23,062

County Rooks

SE NW SE Sec. 33 Twp. 6S Rge. 20 East West

1650 Ft. North from Southeast Corner of Section

1650 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

Lease Name Lewis Well # 2

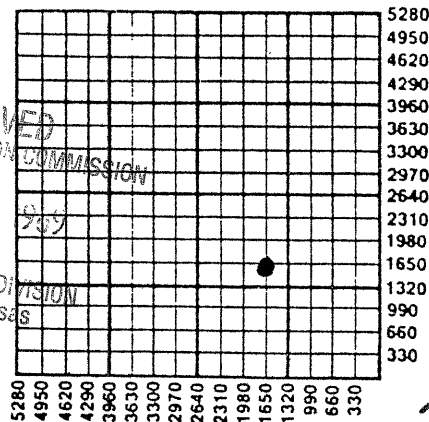
Field Name Ray DGH

Producing Formation _____

Elevation: Ground 2220' KB 2225'

Total Depth 3721' PBTD _____

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DEC 20 1989
CONSERVATION DIVISION
Wichita, Kansas



Amount of Surface Pipe Set and Cemented at 211 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.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 *Kenneth Vehige*

Title Geologist Date 12/22/89

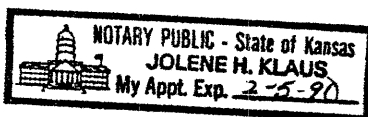
Subscribed and sworn to before me this 22 day of Dec., 19 89.

Notary Public *Jolene H. Klaus*
Jolene H. Klaus

Date Commission Expires 2/5/90

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)



X p1

SIDE TWO

Operator Name Black Diamond Oil, Inc. Lease Name Lewis Well # 2

Sec. 33 Twp. 6S Rge. 20 East West
 County Rooks

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 Yes No
 (Attach Additional Sheets.)
 Copies test tickets attached
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Formation Description		
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Name	Top	Bottom
Anhydrite	1794	1827
Topeka	3195	--
Heebner	3403	--
K.C.	3440	3634
Arbuckle	3682	--

CASING RECORD New 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	20#	212	60/40 Poz	215	6% Gel with 2 sks celoflake

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth

TUBING RECORD Size _____ Set At _____ Packer At _____
 Liner Run Yes No

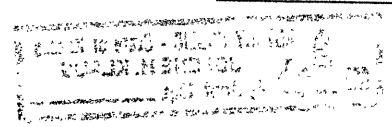
Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

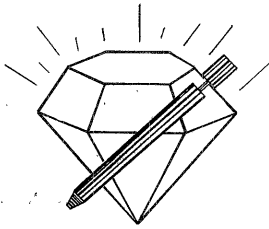
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval _____





DIAMOND TESTING

P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550

DRILL-STEM TEST TICKET

Company Black Diamond Oil Co Lease & Well No. Lewis # 2
Contractor Emphasis Rig 6 Charge to Black Diamond Oil Co
Elevation _____ Formation LKC Effective Pay _____ Ft. Ticket No. _____

Date 10-16-89 Sec. 33 Twp. 6 S Range 20 W County ROOKS State KANSAS

Test Approved By [Signature] Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 3430 ft. to 3523 ft. Total Depth 3523 ft.
Packer Depth 3425 ft. Size 6 3/4 in. 3434 Packer Depth 3527 ft. Size _____ in.
Packer Depth 3430 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3418 ft. Recorder Number 13386 Cap. 3875 P.S.I.
Bottom Recorder Depth (Outside) 3520 ft. Recorder Number 13356 Cap. 4425 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 44 Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight 9.6 Water Loss 10.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 2,000 P.P.M. Drill Pipe Length 3405 ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number N/A Test Tool Length 25 ft. Tool Size 3 1/2 in.
Did Well Flow? NO Reversed Out NO (60' DP 33' RT) Anchor Length 93 ft. Size 4 1/2 in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Flow: weak 1/2" blow slowly increasing to 4 1/2 inches @ End
2nd Flow: NO blow for 6 min - weak blow slowly increasing 5" @ End

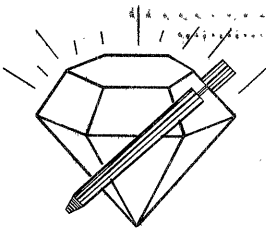
Recovered 194 ft. of Drilling Mud.

RECEIVED
STATE CORPORATION COMMISSION

Recovered _____ ft. of _____	DEC 26 1989 CONSERVATION DIVISION Wichita, Kansas	Price Job
Recovered _____ ft. of _____		Other Charges
Recovered _____ ft. of _____		Insurance
Remarks: _____		
_____		Total

Time Set Packer(s) 5:23 A.M. P.M. Time Started Off Bottom 9:38 A.M. P.M. Maximum Temperature 105°
Initial Hydrostatic Pressure (A) 1803 P.S.I.
Initial Flow Period Minutes 45 (B) 60 P.S.I. to (C) 88 P.S.I.
Initial Closed In Period Minutes 45 (D) 874 P.S.I.
Final Flow Period Minutes 75 (E) 101 P.S.I. to (F) 123 P.S.I.
Final Closed In Period Minutes 90 (G) 864 P.S.I.
Final Hydrostatic Pressure (H) 1792 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.



DIAMOND TESTING

P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550

DRILL-STEM TEST TICKET

Company Black Diamond Oil Co Lease & Well No. Lewis #2
Contractor Emphasis Rig Co Charge to Black Diamond Oil Co
Elevation _____ Formation KC HI Effective Pay _____ Ft. Ticket No. _____

Date 10-17-89 Sec. 33 Twp. 6 S Range 20 W County ROOKS State KANSAS

Test Approved By [Signature] Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 3565 ft. to 3607 ft. Total Depth 3607 ft.

Packer Depth 3560 ft. Size _____ in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3565 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3553 ft. Recorder Number 13386 Cap. 3875 P.S.I.

Bottom Recorder Depth (Outside) 3604 ft. Recorder Number 13556 Cap. 4425 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 50 Drill Collar Length _____ ft. I.D. 2 1/4 in.

Weight 9.7 Water Loss 8.0 cc Weight Pipe Length _____ ft. I.D. 2 7/8 in.

Chlorides 2,000 P.P.M. Drill Pipe Length 3540 ft. I.D. 3 1/2 in.

Jars: Make BOWEN Serial Number N/A Test Tool Length 25 ft. Tool Size 3 1/2 in.

Did Well Flow? NO Reversed Out NO Anchor Length 42 ft. Size 4 1/2 in.

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

Blow: 1st Flow: Weak 1/8" blow increasing to Fair 2 1/2" @ end

2nd Flow: Fair 1" blow slowly increasing to good 5" @ end

Recovered 52 ft. of Total 20' clean oil 36' Gravity

Recovered _____ ft. of 32 OCGM 10% Gas 20% oil 70% mud

Recovered _____ ft. of

Recovered _____ ft. of

Recovered _____ ft. of

Remarks: 70' Gas in pipe

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DEC 26 1989
CONSERVATION DIVISION
Wichita, Kansas

Price Job
Other Charges
Insurance
Total

Time Set Packer(s) 1:13 P.M. Time Started Off Bottom 4:13 P.M. Maximum Temperature 104°

Initial Hydrostatic Pressure (A) 1881 P.S.I.

Initial Flow Period Minutes 45 (B) 44 P.S.I. to (C) 44 P.S.I.

Initial Closed In Period Minutes 30 (D) 788 P.S.I.

Final Flow Period Minutes 45 (E) 51 P.S.I. to (F) 51 P.S.I.

Final Closed In Period Minutes 60 (G) 978 P.S.I.

Final Hydrostatic Pressure (H) 1869 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.

83-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

No. 5939

Home Office P. O. Box 31

Russell, Kansas 67665

10-19-89

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
10-18-89	33	6 ^S	20 ^W	5:30 P.M.	6:45 P.M.	8:15 P.M.	2:45 A.M.
Lease	Well No.	Location		County	State		
Lewis	2	Logan Rd & Old 24 3N 3/4 E 1/4 N		Rooks	Ks.		

Contractor	Emphasis Oil Operations Rig #6		
Type Job	Plug		
Hole Size	7 7/8"	T.D.	3721'
Csg.	8 7/8"	Depth	209'
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.		Shoe Joint	
Press Max.	400 #	Minimum	
Meas Line		Displace	
Perf.			

Owner Same
 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 listed.

Charge To Black Diamond Oil, Inc.
 Street 1105 E. 30th Suite A
 City Hays State Ks. 67601
 The above was done to satisfaction and supervision of owner agent or contractor

EQUIPMENT		
Pumptrk	No. 191	Cementer Gary H. Wayne Mc.
Pumptrk	No.	Helper
Bulktrk	#146	Driver Mark B.
Bulktrk		Driver

Purchase Order No.
 X Jack D. Fry

CEMENT

Amount Ordered	215 sks 60/40 por. 60log
Consisting of	with 2 sks celoflake
Common	129 sks @ \$5.00/sk = 645.00
Poz. Mix	86 sks @ 2.25/sk = 193.50
Gel.	13 sks @ 6.75/sk = 87.75
Chloride	
Quickset	
Celoflake	50 # @ 1.60/lb = 80.00
Sales Tax	

DEPTH of Job		
Reference:	#9 Pumptruck - plug	360.00
	#14 mileage @ 1.00/mi	33.00
	#8 1-8 7/8" dry hole plug	20.00
	Sub Total	413.00
	Tax	
	Total	

Handling	290 @ 1/sk (215 sks)	193.50
Mileage	203 @ 1/sk/mi (33 mi.)	212.85
Sub Total		1412.60
Total		

Remarks:
 1st plug @ 3670' w/25 sks
 2nd plug @ 1800' w/25 sks.
 3rd plug @ 1120' w/100 sks.
 4th plug @ 264' w/40 sks.
 8 7/8" plug @ 40' w/10 sks to surface. Plugged rat hole w/15 sks.

Floating Equipment
 Thanks
 STATE CORPORATION COMMISSION
 DEC 20 1989
 CONSERVATION DIVISION
 Wichita, Kansas

913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. No. 5934

Home Office P. O. Box 31 Russell, Kansas 67665

Date	10-12-89	Sec.	33	Twp.	6 ^s	Range	20 ^w	Called Out	3:30 P.M.	On Location	5:45 P.M.	Job Start	6:20 P.M.	Finish	6:45 P.M.
Lease	Lewis	Well No.	2	Location				Logan Rd. 40124	County	Rooks	State	Kan			
Contractor	Emphasis #6														
Type Job	Surface														
Hole Size	12 7/8"	T.D.	210'												
Csg.	8 7/8"	Depth	209'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	18'	Shoe Joint													
Press Max.		Minimum													
Meas Line	✓	Displace	✓												
Perf.															

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 listed.

Charge To: **Black Diamond Oil, Inc.**
 Street: **1105 E. 30th Suite A**
 City: **Hays** State: **Ks. 67601**

The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No. _____
 X **Jack D. Fry**
CEMENT
 Amount Ordered: **160.40 396.00 298.40**

EQUIPMENT

No.	Cement	McAdoo
Pumptrk # 191	Helper	Gary H.
No.	Cement	
Pumptrk # 60	Helper	
	Driver	Joel C.
Bulktrk # 60	Driver	

Consisting of	Common	96 sks @ 5.00/sk	\$480.00
	Poz. Mix	64 sks @ 2.25/sk	144.00
	Gel.	3 sks @ 6.75/sk	20.25
	Chloride	5 sks @ 20.00/sk	100.00
	Quickset		
Sales Tax			
	Handling	290¢/sk (160 sks)	144.00
	Mileage	203¢/sk/mi (33 mi)	158.40
			Sub Total
			1046.65

DEPTH of Job	Reference #	Description	Amount
	#1	Pump Truck	360.00
	#8	1-8 7/8" Surface Plug	40.00
	#14	100 Per mile	33.00
		Sub Total	433.00
		Tax	
		Total	

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 STATE CORPORATION COMMISSION
 WICHITA, KANSAS
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 COMMISSION DIVISION
 WICHITA, KANSAS

Remarks: **Cement Did Ch**

Thanks

