

ORIGINAL

SIDE ONE

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

API NO. 15- 135-23,482 -00-00

County Ness
Approx. W2 E2 SW R48 KCC
C E/2 W/2 SW Sec. 35 Twp. 16S Rge. 24 X West

Operator: License # 7076

Name: Black Diamond Oil, Inc.

Address 3004 Broadway Avenue

City/State/Zip Hays, KS 67601

Purchaser: Farmland Industries Inc

Operator Contact Person: Kenneth Vehige

Phone (913) -625-5891

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Kenneth Vehige

Designate Type of Completion
X New Well Re-Entry Workover
X 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:
X Mud Rotary Air Rotary Cable

7/6/90 7/14/90 9/1/90
Spud Date Date Reached TD Completion Date

1320 Ft. North from Southeast Corner of Section

3630 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

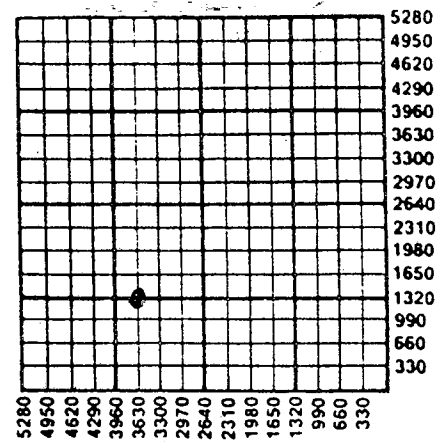
Lease Name Allen Well # 1

Field Name Ransom

Producing Formation Mississippi

Elevation: Ground 2517' KB 2522'

Total Depth 4498' PBTD



9-27-90

Amount of Surface Pipe Set and Cemented at 206 Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 1742' Feet

If Alternate II completion, cement circulated from 1742'

feet depth to surface w/ 285 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.

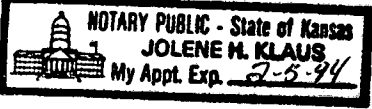
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Kenneth Vehige
Title Owner/Operator Date 9/13/90

Subscribed and sworn to before me this 13th day of Sept. 1990.

Notary Public Jolene H. Klaus
Date Commission Expires 2/5/94

SEP 14 1990
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)



SIDE TWO

Operator Name Black Diamond Oil, Inc. Lease Name Allen Well # 1
 Sec. 35 Twp. 16S Rge. 24 East 500 County Ness
 West

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) tickets attached 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 (Submit Copy.)	<p style="text-align: center;">Formation Description</p> <p><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1834'</td> <td>1867'</td> </tr> <tr> <td>Lansing-K.C.</td> <td>3903'</td> <td>4198'</td> </tr> <tr> <td>Marmaton</td> <td>4255'</td> <td></td> </tr> <tr> <td>Fort Scott</td> <td>4396'</td> <td></td> </tr> <tr> <td>Mississippi</td> <td>4484'</td> <td></td> </tr> <tr> <td>T.D.</td> <td>4499'</td> <td></td> </tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	1834'	1867'	Lansing-K.C.	3903'	4198'	Marmaton	4255'		Fort Scott	4396'		Mississippi	4484'		T.D.	4499'	
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CASING RECORD New Used
 Report all strings set-conductor, surface, intermediate, production, etc.

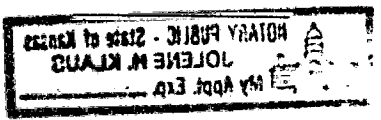
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	N/A	206'	60/40Poz	150	3%CC, 2%Gel
Production	7 7/8"	4 1/2"	N/A	4495'	ASL	150	150 ASC

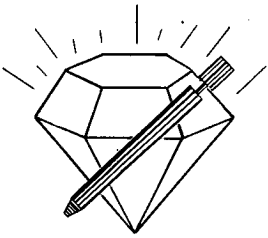
Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
		8-14 500 Gals. INS 4495-99
		1500 gals. MOD 303 4495-99

TUBING RECORD Size 2 3/8" Set At 4497' Packer At --- Liner Run Yes No

Date of First Production 9-1-90 Producing Method Flowing Pumping Gas Lift Other (Explain) _____
 Estimated Production Per 24 Hours Oil 24 Bbls. Gas 15 Mcf Water 15 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

ORIGINAL

Company Black Diamond Oil, INC Lease & Well No. Allen # 1
 Contractor Emphasis oil Charge to Black Diamond Oil, INC
 Elevation 2522 KB Formation Miss Effective Pay _____ Ft. Ticket No. _____

Date 7-13-90 Sec. 35 Twp. 16S Range 24 W County NESS State KANSAS

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

Formation Test No. 1 Interval Tested from 4410 ft. to 4498 ft. Total Depth 4498 ft.
 Packer Depth 4405 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4410 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 4398 ft. Recorder Number 13386 Cap. 3875 P.S.I.
 Bottom Recorder Depth (Outside) 4495 ft. Recorder Number 13556 Cap. 4425 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 53 Drill Collar Length 31 ft. I.D. 2 1/4 in.
 Weight 9.4 Water Loss 9.6 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 7500 P.P.M. Drill Pipe Length 4354 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 55' Perb 33' Drill Pipe 8 subs Anchor Length 88 ft. Size 4 1/2 in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface/Choke Size 1 1/4 in. Bottom Choke Size 5/8 in.

Blow: 1st Flow: Fair 1 1/2" blow slowly increasing to 8 1/4" @ end
 2nd Flow: weak 1/2" blow slowly increasing to 7 3/4" @ end

Recovered 176 ft. of Total Fluid 5' clean oil
 Recovered _____ ft. of 17140 CM 35% oil 5% Gas 60% mud

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>60' Gas in pipe</u>	Insurance
	Total

Time Set Packer(s) 4:55 A.M. P.M. Time Started Off Bottom 8:40 A.M. P.M. Maximum Temperature 123°
 Initial Hydrostatic Pressure (A) 2212 P.S.I.
 Initial Flow Period Minutes 45 (B) 77 P.S.I. to (C) 99 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1102 P.S.I.
 Final Flow Period Minutes 60 (E) 110 P.S.I. to (F) 132 P.S.I.
 Final Closed In Period Minutes 75 (G) 1074 P.S.I.
 Final Hydrostatic Pressure (H) 2179 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.

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

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

ORIGINAL

ALLIED CEMENTING CO., INC. No. 9985

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

Date	7-13-76	Sec	35	Twpt	16	Range	24	Called Our	4:30 PM	On Location	8:00 PM	Job Start	11:30 PM	Finish	12:30 AM
Lease	Allen		Well No.	#1		Location	Ransom 1w/2s4E			County	Ness	State	Kansas		
Contractor	Emphasis Oil Operations R.97														
Type Job	Production														
Hole Size	7 7/8"				T.D.	4498'									
Csg.	4 1/2"				Depth	4495'									
Tbg. Size	REMOTEC														
Drill Pipe	REMOTEC														
Tool	Arrow Port Collar				Depth	1850'									
Cement Left in Csg.	25.78				Shoe Joint	25.78'									
Press Max.	Minimum														
Meas Line	Yes														
Perf.	S														

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. The above was done to satisfaction and supervision of owner agent or contractor.

EQUIPMENT

#153 No.	Cementor	M Kaufman
Pumptrk	Helper	Gerald K
No.	Cementor	
Pumptrk	Helper	
#155	Driver	Tim D
Bulktrk	Driver	

Purchase Order No.
 X M.R. [Signature] (Emphasis-Rep)
CEMENT
 Amount Ordered 150 SKS ASC

Consisting of	Common	150 ASC @ 7.00	1050.00
	Poz. Mix		
	Gel.		
	Chloride		
	Quickset		
	Sales Tax		

DEPTH of Job

Reference #	PUMP TRK	838.00
	1-4 1/2" PLUG	31.00
		19.00
	Sub Total	
	Tax	
	Total	886.00

Handling	904	135.00
Mileage	34	76.50
17 mile		
Sub Total		
Total		1,261.50

Remarks: 15 SKS IN Rat Hole
 10 SKS IN Mouse Hole
 Float Held
Frank

Floating Equipment

3 - Centralizers	123.00
2 - Baskets	216.00
1 - AFU Insert	161.00
1 - Guide Shoe	104.00
1 - Port Collar	1,328.00
Total	(1,932.00)

SEP 14 1976

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

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

ALLIED CEMENTING CO., INC.

No. **6961**

Home Office P. O. Box 3171 Russell, Kansas 67665

New

Date	7-16-90	Sec.	35	Twp.	16	Range	24	Called Out	2:00 P.M.	On Location	3:00 P.M.	Job Start	6:00 P.M.	Finish	6:30 P.M.
Lease	Allen Rig #7	Well No.		Location	Ransom, W, 1/2 S, E into Ness			County		State	KS				
Contractor	Allen Rig #7	Owner	Same												
Type Job	Surface														
Hole Size	12 1/4"	S.D.	208'												
Csg.	8 5/8"	Depth	206'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	15'	Shoe Joint													
Press Max.		Minimum													
Meas Line		Displace	12 bbl												
Perf.															

You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed. You are to provide all necessary equipment and materials for the job. The above was done to satisfaction and supervision of owner, agent or contractor.

Charge To: **Black Diamond Oil Inc.**
 Street: **3004 Broadway Avenue**
 City: **Hays** State: **KS, 67601**

Purchase Order No. **Thomas Alin**
CEMENT
 Amount Ordered **150 SKS 60/40 370cc, 290 GEL**

Great Bend

EQUIPMENT			
#	No.	Cementer	
Pumptrk	120	Helper	Tim
Pumptrk		Helper	Mike
Bulktrk	199	Driver	Bill
Bulktrk		Driver	

Consisting of			
Common	90	5.00	450.00
Poz. Mix	60	2.25	135.00
Gel.	3	6.75	NIC
Chloride	5	20.00	100.00
Quickset			

DEPTH of Job		
Reference	Description	Amount
	Pumptrk Charge	360.00
	Pumptrk Mileage	15.00
1	8 5/8" wooden Plug	40.00
	Sub Total	
	Tax	
	Total	415.00

Sales Tax		
Handling	150	.90
Mileage	15	67.50
Sub Total		
Total		887.50

SEP 14 1990

Remarks: **Run 206 of 8 5/8" csg. Mixed 150 SKS 60/40 372. Pumped Plug To 191' with Fresh Water. Cement Did Circulate**

Floating Equipment
TOTAL \$ 1302.50
Disc - 260.50
\$ 1042.00

Thanks

ALLIED CEMENTING CO., INC. No. 9252

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

Date **8-27-90** Sec. **35** Twp. **16** Rng. **24** Call'd **12:00 PM** On Location **2:30 PM** Job Start **5:00 PM** Finish **6:30 PM**
Lease **Allen** Well No. **471** Location **RANSOM W 1/2 S 14E** County **NESS** State **KANSAS**

Contractor **PLAIN'S Well Service**
Type Job **OPEN PORT COLLAR (Cement)**

Hole Size **7 1/2** Depth **1740**
Csg. **2** Depth **1740**
Drift Pipe **REINHARDT OIL TOOLS (RICK)**
Tool **ARROW PORT COLLAR** Depth @ **1740**
Cement Left in Csg. **Shoe Joint**
Press Max. **Minimum**
Meas Line **Displace**
Perf. **Displace**

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. ATTORNEY FEES: In any legal action or proceeding between you and Allied Cementing Co., Inc. you shall be held liable for all reasonable attorney fees. Charge To **BLACK DIAMOND** Street **3004 Broadway Ave.** City **Hays** State **Kan** 67601

The above was done to satisfaction and supervision of owner agent or contractor. Purchase Order No. **Preparation Charges**

Amount Ordered **285 SK** ~~40~~ **6761**

EQUIPMENT

Pumptrk	No. #177	Cementer Shan	Helper Will
Pumptrk	No.	Cementer	Helper
Bulktrk	No. #156	Driver Jim	
Bulktrk		Driver	

Consisting of

Common	171	5.00	855.00
Poz. Mix	114	2.25	256.50
Gel. used	15.25 @ 10	6.75	67.50
Chloride			
Quickset			

DEPTH of Job

Reference	Pump TRUCK chg.	450.00
	2.00 Per mile 19m	38.00
	Sub Total	488.00
	Tax	
	Total	

Sales Tax

Handling	.90 PER SK	256.50
Mileage	.03 PER TON MILE 19m	162.45
	Sub. Total	1597.95
	Total	

Remarks: **BRIDGE Plug @ 4100' RAN to 6000' & HELD. Opened Port Cement, Circulated around Port collar, TESTED @ Hole & Circulated clean.**

Floating Equipment
Tool IN Hole & TESTED B. Plug
Cement & Mixed **285 SK**
ANNULES Displaced 6' of Shot
1000' & HELD, RAN TO ITS
SEP-2-A 1000' **Shan**

ORIGINAL

EMPHASIS OIL OPERATIONS

P. O. BOX 506
RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: Black Diamond Oil, Inc.
3004 Broadway Avenue
Hays, Kansas 67601

CONTRACTOR: Emphasis-Oil-Operations
Box 506
Russell, KS 67665

LEASE: Allen

WELL #1

LOCATION: Approx. C E/2 W/2 SW
Section 35-16S-24W
Ness County, Kansas

LOGGERS TOTAL DEPTH: 4499'

ROTARY TOTAL DEPTH: 4498'

COMMENCED: 7/6/90

CASING: 8-5/8" @ 206' w/150 sks cement
4-1/2" @ 4495' w/125 sks cement

ELEVATION: 2522' K.B.

COMPLETED: 7/14/90

STATUS: Oil Well

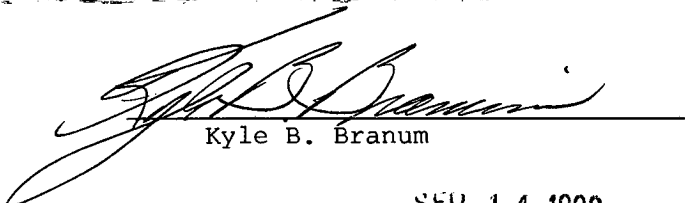
DEPTHS & FORMATIONS

(All measurements from K.B.)

Top Soil & Sand	132'	Shale & Lime	3925'
Sand & Shale	208'	Lansing-Kansas City	4063'
Cedar Hills	1342'	Marmaton	4180'
Shale	1561'	Pawnee	4277'
Anhydrite	1834'	Mississippi	4425'
Shale	1876'	R.T.D.	4498'
Lime & Shale	3550'		

STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)

Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

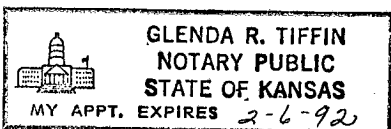

Kyle B. Branum

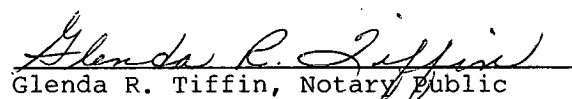
Subscribed and sworn to before me on July 16, 1990.

SEP 14 1990

My commission expires: February 6, 1992.

UNDEVELOPMENT DIVISION
Wichita, Kansas




Glenda R. Tiffin, Notary Public