

Kansas Corporation Commission
Oil and Gas Conservation Division

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32539
Name: Abraxas Petroleum Corporation
Address: P.O. Box 701007
City/State/Zip: San Antonio TX 78270-1007
Purchaser: _____
Operator Contact Person: Will Wallace or John Mode
Phone: (210) 490-4788
Contractor Name: Duke
License: 5929
Wellsite Geologist: None

Designate Type of Completion: Vertical section drilled for horizontal well
 New Well Re-Entry Workover

Oil SWD SIOW Temp. And.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)

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

Operator: _____
Wellname: _____
Original Comp. Date _____ Original Total Depth _____
 Deepening Re-perf Conv. To Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

1/13/00 1/21/00 * 1/29/00
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15- 077 - 21376 - 0000
County Harper
NW - NW - SE - Sec. 1 Twp. 34 S. R. 9 East West
2,550 feet from (S) N (circle one) Line of Section
2,550 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner
(circle one) NE (SE) NW SW

Lease Name: Carothers Well # 1 - 1H
Field Name: NE Hibbard

Producing Formation: Plugged to drill horizontal well
Elevation: Ground: 1,321.0 Kelly Bushing: 1,329.0

Total Depth: 4,665 Plug Back Total Depth: 3,175
Amount of Surface Pipe Set and Cemented at 260 ft set @ 268 ft

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 ALT 1 S-16-00 JK
Data must be collected from the Reserve Pit

Chloride content _____ ppm Fluid Volume _____ bbls

Dewatering method used Pit is in use for horizontal well

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License No. _____

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

County: _____ Docket No.: _____

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Wichita, Kansas

*Cement plugs set to kick off horizontal drilling

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 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 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.

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: [Signature]

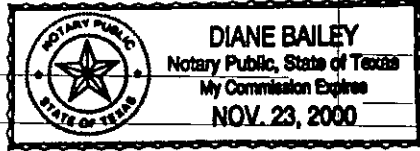
Title: Manager of Operations Date 2/9/00

Subscribed and sworn to before me this 9 day of February

20 00

Notary Public [Signature]

Date Commission Expires 11-23-00



KCC Office Use ONLY
 Letter of Confidentiality Attached
 if Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 JIC Distribution

Operator Name: **Abraxas Petroleum Corporation** Lease Name: **Carothers** Well #: **1 - 1H**

Sec. **1** Twp. **34** S. R. **9** East West County: **Harper**

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 copy of all Electric Wireline logs surveyed. Attach final geological well site report.

<p>Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i></p> <p>List All E. Logs Run: Induction, Density, Neutron, Gamma Ray, Caliper</p>	<p><input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample</p> <table 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;">Datum</th> </tr> </thead> <tbody> <tr> <td>Stalnaker Sand</td> <td>3778</td> <td>KB</td> </tr> <tr> <td>Kansas City</td> <td>4033</td> <td>KB</td> </tr> <tr> <td>Stark Shale</td> <td>4180</td> <td>KB</td> </tr> <tr> <td>Ft Scott</td> <td>4426</td> <td>KB</td> </tr> <tr> <td>Cherokee</td> <td>4440</td> <td>KB</td> </tr> <tr> <td>Warsaw Mississippian</td> <td>4560</td> <td>KB</td> </tr> <tr> <td>Osage</td> <td>4614</td> <td>KB</td> </tr> </tbody> </table>	Name	Top	Datum	Stalnaker Sand	3778	KB	Kansas City	4033	KB	Stark Shale	4180	KB	Ft Scott	4426	KB	Cherokee	4440	KB	Warsaw Mississippian	4560	KB	Osage	4614	KB
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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	# Sacs Used	Type and Percent Additives
Surface	14 3/4	10 3/4	40.5 J55	268	60/40 Poz	225	3% CaCl 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose	Depth Top Bottom	Type of Cement	# Sacks used	Type and Percent Additives
Perforate	3665 - 4665	Premium	350	0.5% CFR-3
Protect Casing	3666 - 4166	Premium	295	0.5% CFR-3 + 14 bags SSA - Sand
<input checked="" type="checkbox"/> Plug Back TD				Cement plugs set to kick off horizontal drilling
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
	None		

Tubing Record	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. None		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas METHOD OF COMPLETION

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

Other (Specify) **Plugged**

(f vented, Submit ACO-18)



CEMENTING LOG

ORIGINAL

STAGE NO.

Date L-13-00 District Madhodge Ticket No. 2146
 Company ABRAXAS Petroleum Rig Duke 2
 Lease Carothers Well No. 1-14
 County Hager State KS.
 Location Attica S to Hwy 72 Field L-345-9w
25, 10 w 12.5 w into
 CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 10 3/4 Type _____ Weight 32 Collar NEW

Casing Depth: Top KS Bottom 268

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ TD. _____ ft. P.H. to _____ ft.
 CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 1009 Lin. ft./Bbl. 9.91
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 1091 Lin. ft./Bbl. 10.09
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: 3 Bbls Fresh
 Amt. _____ Skts Yield _____ ft³/sk Density _____ PPG

IFAD: Pump Time _____ hrs. Type _____
60:40:2+3 Excess _____
 Amt. 225 Skts Yield 1.26 ft³/sk Density 14.8 PPG

TAIL: Pump Time _____ hrs. Type _____
 Amt. _____ Skts Yield _____ ft³/sk Density _____ PPG
 WATER: Lead 5.6 gals/sk tail _____ gals/sk total 30 Bbls

Pump trucks Used 352 Shang Winsor
 Bulk Equip. 242 David West

Fluid Equip. Manufacturer Gemac / weatherford
 Shoe Type Regular Guide Depth _____
 Float Type Baffle Depth _____
 Centralizers: Quantity 2 Plug: Top Rubber Rim _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid type: Freshwater Amt. 274 Bbls. Weight 8.34 PPG
 Mud type: _____ Weight _____ PPG

COMPANY REPRESENTATIVE John Armbruster

CEMENTER Carl Balding

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Unit Period	HAZ Bbls Min.	
						on Location
2:15						Pipe on bottom, breaks circulation
2:30	300 400		3 53	3 50	4 6	start freshwater mix + pump 225 sv. 60:40:2+3 cc cement in stop pumps switch valves + release plug
2:50	100 100		775	2475	3 4	start displacement steady rate displacement in stop pumps. cement did circulate shut in.

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 Wichita, Kansas

ALLIED CEMENTING CO., INC.

ORIGINAL

2146

Federal Tax I.D.# 43-0727860

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

SERVICE POINT:
Medicine Lodge

DATE <u>1-13-00</u>	SEC. <u>1</u>	TWP. <u>34S</u>	RANGE <u>9W</u>	CALLED OUT <u>7:30 pm</u>	ON LOCATION <u>9:00 pm</u>	JOB START <u>2:30 Am</u>	JOB FINISH <u>2:50</u>
LEASE <u>Carothers</u>	WELL # <u>1-14</u>	LOCATION <u>Attica 5 to #2</u>	COUNTY <u>Harper</u>	STATE <u>KS.</u>			
OLD OR <u>NEW</u> (Circle one)		<u>25, 10 w, 12.5 w into</u>					

CONTRACTOR Duke #2
 TYPE OF JOB surface
 HOLE SIZE 14 3/4 T.D.
 CASING SIZE 10 3/4 x 32 DEPTH 268
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 400 MINIMUM -
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15 feet
 PERFS.
 DISPLACEMENT 24 3/4 BBLs freshwater

OWNER
 CEMENT
 AMOUNT ORDERED
225 5x 60:40+2+3

COMMON A	<u>135</u>	@ <u>6.35</u>	<u>857.25</u>
POZMIX	<u>90</u>	@ <u>3.25</u>	<u>292.50</u>
GEL	<u>4</u>	@ <u>9.50</u>	<u>38.00</u>
CHLORIDE	<u>7</u>	@ <u>28.00</u>	<u>196.00</u>

EQUIPMENT
 PUMP TRUCK CEMENTER Carl Balding
 # 352 HELPER Steve Winslow
 BULK TRUCK DRIVER David West
 # DRIVER

HANDLING	<u>225</u>	@ <u>1.05</u>	<u>236.25</u>
MILEAGE	<u>225 x 29</u>	<u>.04</u>	<u>261.00</u>

TOTAL \$ 1881.00

REMARKS:

SERVICE

Pipe on bottom. Break circulation.
pump 3 BBLs freshwater.
pump 225 5x 60:40:2+3
switch valves + Release plug.
Displace with 24 3/4 BBLs freshwater.
Cement did circulate. shot in.

DEPTH OF JOB	<u>268</u>		
PUMP TRUCK CHARGE			<u>470.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>29</u>	@ <u>2.85</u>	<u>82.65</u>
PLUG	<u>Rubber 10 3/4"</u>	@ <u>135.00</u>	<u>135.00</u>

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TOTAL \$ 687.65

CHARGE TO: Abraxas Petroleum
 STREET _____
 CITY _____ STATE _____ ZIP _____

CONSERVATION DIVISION
Wichita, Kansas

FLOAT EQUIPMENT

<u>1- Regular Guide Shoe</u>	@ <u>325.00</u>	<u>325.00</u>
<u>1- BALAFle plate</u>	@ <u>65.00</u>	<u>65.00</u>
<u>2- Centralizers</u>	@ <u>50.00</u>	<u>100.00</u>

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment

REGION North America	NW/COUNTRY Mid Continent	BDA / STATE Ks	COUNTY Harper
MBU ID / EMP # McTol101 106322	EMPLOYEE NAME D. Mc Lane	PSL DEPARTMENT ZE	ORIGINAL
LOCATION Liberal	COMPANY Abrazas Petroleum	CUSTOMER REP / PHONE	
TICKET AMOUNT 7135.49	WELL TYPE 01	API / UWI #	
WELL LOCATION S Africa	DEPARTMENT ZE	JOB PURPOSE CODE 675	
LEASE / WELL # Carother A1-1H	SEC / TWP / RNG 1 36s 9w		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
D. Mc Lane 106322 12			
D. Purky 106633 12			
D. Baxter 187070 12			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420995	140						
54038-77942	140						
52947-6611	70						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	1-22-00	1-22-00	1-22-00	1-22-00
TIME	0100	0700	1027	1548

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing						
Liner						
Liner						
Tbg/D.P.	u	16.6	4.5	KB	4027	
Tbg/D.P.	u	4.7	2 3/8	4827	4627	
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	
NE Agent	Gal.	
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	In
Perfpac Balls		
Other		
Other		
Other		
Other		

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HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				See Job Log
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER	Used
	Avail.	
TREATED	AVERAGE RATES IN BPM	Overall
	Disp.	
FEET	CEMENT LEFT IN PIPE	
	Reason	

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	100	Premium	B	.5% CER-3	.99	17
	230	Premium	B	.5% CER-3	.99	17

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI - Gal _____
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal BB 2.0 17.5	1.0 44
		Total Volume Gal - BBI _____	



JOB LOG 4239-5

TICKET # 397819
TICKET DATE 1-22-00

REGION North America	NWA/COUNTRY Mid Continent	BDA / STATE KS	COUNTY Harvey
MBU ID / EMP # 195327	EMPLOYEE NAME D. McLean	PSL DEPARTMENT ZF	ORIGINAL
LOCATION Z-11	COMPANY Advanced Production	CUSTOMER REP / PHONE	
TICKET AMOUNT 7135.49	WELL TYPE 01	API / UWI #	
WELL LOCATION S Office	DEPARTMENT ZF	JOB PURPOSE CODE 573	
LEASE / WELL # Crawlers A1-1H	SEC / TWP / RNG 1 363 9W		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
D. McLean 106327 12			
D. Pinka 106533 12			
A. Baxter 187020 12			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psl)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0100							Called for Job
	0700							on location rig on bottom circulating Hold safety meeting Set up pump truck Wait on rig for Bulk truck
	1015							Spot Bulk truck
	1025							Hookup to D.P.
	1027					0/1000		Job Procedure for plug @ 4627
	1029	4.5	10	✓		9/400		Start Fresh water ahead
	1031	4.5	17.5	✓		400		Start Cement @ 17"
	1034							Mixing Cement
	1036	4.5	1	✓		400		Start Fresh water behind
	1037	6.5	57	✓		450/120		Start mud Displacement
	1039							Shut down & knock loose
	1091							D.P. pulled Dry
	1059							Hook up Kelly & Start Circulating Go in to Lag Cement
								Job Procedure for 2nd Plug @ 4250
	1509	4.5	10	✓		9/400		Start Fresh water Ahead
	1511	5	44	✓		450/100		Start Cement @ 17"
	1535	5	1	✓		450		Start Fresh water behind
	1536	6	50	✓		450/120		Start mud Displacement
	1545			✓		18/10		Shut down & knock loose
	1548							D.P. pulled Dry

Thank You For Calling Halliburton

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Wichita, Kansas

JOB LOG

ORDER NO. 70006

TICKET #	41111	TICKET DATE	1-27-00
BDA / STATE		COUNTY	
PSL DEPARTMENT	23	ORIGINAL	
CUSTOMER REP / PHONE			
API / UWI #		JOB PURPOSE CODE	110

REGION	North America	NWA/COUNTRY	MID EAST
MBU ID / EMP #	1200115	EMPLOYEE NAME	David Adams
LOCATION		COMPANY	Halliburton
TICKET AMOUNT		WELL TYPE	OIL
WELL LOCATION		DEPARTMENT	Production Services
LEASE / WELL #		SEC / TWP / RNG	1-30-20

HES, EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES, EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES, EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES, EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
1200115	12	1200115	12				

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/30AL)	PUMPS		PRESS (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	15:30							ON Location & Safety meeting
								Spot Trucks
	20:30							Rig up
	02:00							Wate on Rig to Run pipe
								Job Plan & Safety meeting
						1500		SPRESSURE TEST hoses
			10			140		Spacer ahead
			51			140		MIX & pump cement
			1			140		Spacer behind
			50			140		pump displacement
	03:00							Shut Down
								WASH TRUCK
								Rig Down
								Post Job Safety Meeting
								off location

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