

SIDE ONE

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

Operator: License # 5229

Name: Phillips Petroleum Company

Address Route #3, Box 20-A

City/State/Zip Great Bend, Kansas 67530

Purchaser: Texaco

Operator Contact Person: J. W. Taylor

Phone (316) 793-8421

Contractor: Name: Allen Drilling Company

License: 5418

Wellsite Geologist: None

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)
Dry Hole

If CWNO: old well info as follows:
Operator: Phillips Petroleum Company

Well Name: Hitz #5

Comp. Date 09-26-85 Old Total Depth 3750'

Drilling Method:
 Mud Rotary Air Rotary Cable

12-27-90 12-29-90 01-16-91
Spud Date Date Reached TD Completion Date

API NO. 15- 185-22,276-A

County Stafford

C NW Sec. 7 Twp. 22 Rge. 12 East West

3960 Ft. North from Southeast Corner of Section

3960 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

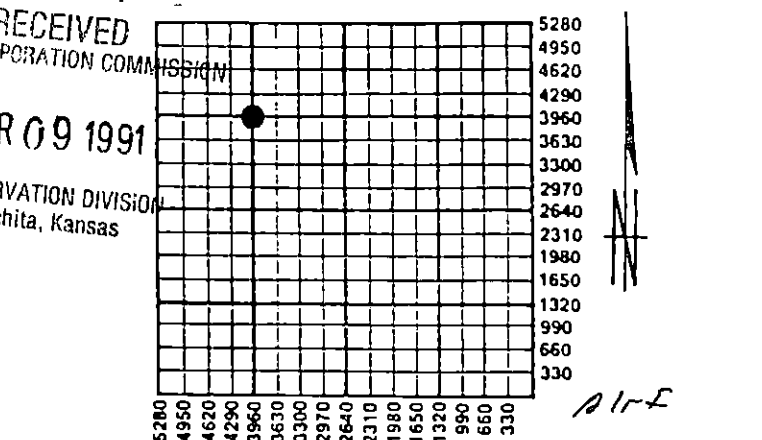
Lease Name Hitz Well # 5

Field Name Drach Pool

Producing Formation LKC

Elevation: Ground 1874' KB 1879'

Total Depth 3758' PBDT 3637'



Amount of Surface Pipe Set and Cemented at 447 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 JW Taylor
Title DIST Supt Date 4/8/91

Subscribed and sworn to before me this 8th day of April, 1991.

Notary Public Carla M. Yahr

Date Commission Expires 10-23-92

NOTARY PUBLIC - State of Kansas
CARLA M. YAHNE
My Appt. Exp. 10-23-92

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 Phillips Petroleum Company Lease Name Hitz Well # 5
 Sec. 7 Twp. 22 Rge. 12 East County Stafford
 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 Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

CBL Attached

* Note: Original DST information and logs submitted with ACO-1 dated 10-23-85 for dry hole.

Name	Formation Description	
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
	Top	Bottom
Heebner	3180	
Toronto	3198	
Brown Lime	3312	
LKC	3321	
Base LKC	3543	
Viola	3567	
Simpson	3619	
Arbuckle	3672	

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"	24#	447	Common	350	2%Gel, 3%CC
Production	7 7/8"	5 1/2"	14# & 15.5#	3740	Common	200	10% Salt, Ge. .75% Halad 322

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	3690-94; 3680-86	Set CIBP 3650' with 1 sx.	
2	3450-52; 3454-60; 3488-90; 3492-96	Wash each set with 1 bbl. 15% HCL. Pumped 2000 gal. 15% HCL. Pumped 3000 gal. 15% HCL.	

TUBING RECORD	Size 2 7/8"	Set At 3529'	Packer At N/A	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production 01-17-91	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. 5	Gas Mcf --	Water Bbls. 119	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 _____

ALLEN DRILLING COMPANY ORIGINAL DAILY DRILLING RECORD
GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT 12-28-1990 RIG NO. 1
 WELL OWNER Phillips Petroleum Co. LEASE Hitz WELL NO. 5
 SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY Stafford STATE Kansas
IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
				<u>Recil E. Farmer</u>
				<u>Eric D. Oppenheimer</u>
				<u>Richard Stevenson Sr.</u>
				<u>Tom Bonham</u>
				<u>8 hrs</u>

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: <u>F/11:00 to Finish Beam To Bottom</u>				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
				<u>44 miles DRILLER</u>
				<u>Richard Stevenson Sr.</u>
				<u>Deke Hoch</u>
				<u>Larry Stevenson</u>
				<u>Danny Schulz</u>
				<u>8 HRS</u>

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: <u>F/7:00 to 7:15 Run F/7:15 to 9:00 Run to Bottom</u>				
SIZE	<u>F/7:00 to 9:00 C.C.W. F/9:00 to 1:15 Sp. AT S. Tap Pipe</u>				
MAKE	<u>F/1:15 to 2:45 C.T.H. F/2:45 to 3:00 Lay down Pipe</u>				
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
			<u>Run 93 joints of 5 1/2" TALLY @ 3735'</u>	<u>Keith Coker</u>
			<u>SET @ 3740' w/ 20034</u>	<u>Albert Richardson</u>
			<u>CLASS A cement</u>	<u>Eric D. Oppenheimer</u>
			<u>Run Down @ 8:45 PM</u>	<u>Craig Yeager</u>
			<u>BY HALL</u>	<u>8 hrs</u>

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: <u>F/3:00 - 4:45 Lay down Pipe F/4:45 - 6:30 Pull in 12 1/2"</u>				
SIZE	<u>4 1/2" Run @ 6:30 - 7:45 Run @ 7:45 - 8:00</u>				
MAKE	<u>Run @ 8:00 - 8:15 C.C.W. F/8:15 - 8:30 C.C.W.</u>				
SERIAL NO.	<u>9:00 SET - T.C. Hall</u>				
SERIAL NO.					

ALLEN DRILLING COMPANY
GREAT BEND, KANSAS

ORIGINAL

DAILY DRILLING RECORD

FOR 24 HOURS ENDING AT MIDNIGHT 12-27-1990 RIG NO. 1
 WELL OWNER Phillips Petroleum Co. LEASE Hitz WELL NO. 5
 SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY Stafford STATE Kansas
IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
				<u>W. R. DOR</u> <u>44 mi</u>				
					<u>Paul S. Farmer</u>			
					<u>R. L. Jones</u>			
						<u>Richard Stevenson</u>		
							<u>Tam</u>	
								<u>Shirley</u>

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: <u>F/11:00 to 12:00 Drills Set Ret hole F/12:00</u>				
SIZE	<u>Drill 40' - cement plug F/1:00 to 2:00 Make up 8000'</u>				
MAKE	<u>- sub F/2:00 to 3:00 Ret at 2' F/3:00 to 7:00 Test</u>				
SERIAL NO.	<u>- 2000 x 1300</u>				
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
			<u>3061</u> <u>1500' ASH</u>	<u>44 miles</u> DRILLER				
					<u>Richard Stevenson</u>			
					<u>Dale Hoch</u>			
						<u>Leon Stevenson</u>		
							<u>Dan Schulz</u>	
								<u>Shirley</u>

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: <u>F/7:00 To 12:00 Drilling of wash to bottom F/</u>				
SIZE	<u>12:00 To 1:15 Thread pipe & add cement F/1:15 To</u>				
MAKE	<u>2:20 Wash to Bottom F/2:20 To 3:00 Repair</u>				
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
			<u>Mix 2</u> <u>1500' ASH</u>					
					<u>Kevin Laker</u>			
					<u>Albert Burdick</u>			
						<u>Eric</u>		
							<u>Shirley</u>	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: <u>F/3:00 to 5:30 Wash to Bottom F/5:30</u>				
SIZE	<u>12:00 To 1:15 Thread pipe & add cement F/1:15 To</u>				
MAKE	<u>2:20 Wash to Bottom F/2:20 To 3:00 Repair</u>				
SERIAL NO.					
SERIAL NO.					

RECEIVED
 3 23 78
 APR 19 1991
 CONSERVATION DIVISION
 WICHITA KANSAS

ALLEN DRILLING COMPANY

GREAT BEND, KANSAS

DAILY DRILLING RECORD

ORIGINAL

FOR 24 HOURS ENDING AT MIDNIGHT

12-26-1991 RIG NO. 1

WELL OWNER Metro Locators INC LEASE

HARRISON

WELL NO. 2-13

SECTION TOWNSHIP RANGE

COUNTY Stafford

STATE Kansas

IF INJURED SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
				Pecil & FARMER
				DERRICKMAN BILL JONES
				MOTORMAN ^{WILVE} ²⁴⁴⁴ RICHARD STEVENSON
				HELPER TOM R. WILSON
				HELPER 8 HRS

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: 2nd 1/2" 2 1/2" 3" 4" 5" 6" 8" 10" 12" 14" 16" 18" 20" 22" 24" 26" 28" 30" 32" 34" 36" 38" 40" 42" 44" 46" 48" 50" 52" 54" 56" 58" 60" 62" 64" 66" 68" 70" 72" 74" 76" 78" 80" 82" 84" 86" 88" 90" 92" 94" 96" 98" 100"				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
				Richard Stevenson Jr.
				DERRICKMAN Dale Hoch
				MOTORMAN ⁷⁴ ²⁰⁴⁴ LARRY STEVENSON
				HELPER DANNY SCHULZ
				HELPER 12 HRS

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: Log Down & head out Move & R. up				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
			Mixed	Keith Cooper
			RECEIVED STATE DEPT. OF GEOLOGY & COMMISSION	DERRICKMAN Albert Richards
			35 Gal APR 19 1991	MOTORMAN Danny Schulz
			CONS. DIVISION WICHITA KANSAS	HELPER Craig Younger
				HELPER 8 HRS

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: F/3100-1100 Finished R. up - Thaw Pr. mix				
SIZE	M. / M.				
MAKE					
SERIAL NO.					
SERIAL NO.					

**BULK MATERIALS DELIVERY
AND
TICKET CONSIGNATION**
ORIGINAL

FOR INVOICE AND TICKET NO. 060918

DATE 12-28-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Hitz #5	COUNTY Stafford	STATE Ks.
CHARGE TO Phillips Petroleum		OWNER Phillips Petro.	CONTRACTOR Allen Drlg.	No. B 917656
MAILING ADDRESS		DELIVERED FROM Great Bend, Ks.	LOCATION CODE 25520	PREPARED BY S.C. Henry
CITY & STATE		DELIVERED TO Location	TRUCK NO. 0977-6660	RECEIVED BY <i>W. Henry</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT		
		L	D		QTY.	MEAS.	QTY.	MEAS.				
504-308	516.00261	1	B	Standard Cement	200	sk			5.35	1070.00		
509-968	516.00315	1	B	Salt Blended 10#/200	850	lb.			.10	85.00		
508-292	70.15573	1	B	Gilsonite Blended 5#/100	500	lb.			.42	210.00		
507-775	516.00144	1	B	Halad-322 Blended .75#/200	141	lb.			5.75	810.75		
500-307		1	B	Surcharge	223.20				.10	22.32		
500-207		1	B	SERVICE CHARGE				CU. FEET 222	1.10	244.20		
500-306		1	B	Mileage Charge	20,291	TOTAL WEIGHT	22	LOADED MILES	223.20	TON MILES	.75	167.40
No. B 917656						CARRY FORWARD TO INVOICE			SUB-TOTAL	2609.67		

THIS IS NOT AN INVOICE

RECEIVED
STATE CONSTRUCTION
APR 09 '91
CONSTRUCTION
Wichita, Kansas

CUSTOMER



JOB SUMMARY

HALLIBURTON DIVISION

OK City

HALLIBURTON LOCATION

G+B Bend
WELL-DATA

BILLED ON TICKET NO.

060918

FIELD _____ SEC. 7 TWP. 22 RNG. 12 COUNTY Stafford STATE Ks

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		15.5	5 1/2	0	3242	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 12-28	DATE 12-28	DATE 12-28	DATE 12-28
TIME 1:10	TIME 3:00	TIME 7:50	TIME 9:30

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR	1	...
FLOAT SHOE		
GUIDE SHOE	1	...
CENTRALIZERS	2	...
BOTTOM PLUG		
TOP PLUG	1	...
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Krentzel 26411		
Wilson 99377	51797	G+B Bend
Folk 05055	0977	G+B Bend

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API

DISPL. FLUID _____ DENSITY _____ LB/GAL-API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____

NE AGENT TYPE _____ GAL. _____

FLUID LOSS ADD. TYPE _____ GAL-LB. _____

GELLING AGENT TYPE _____ GAL-LB. _____

FRIC. RED. AGENT TYPE _____ GAL-LB. _____

BREAKER TYPE _____ GAL-LB. _____

BLOCKING AGENT TYPE _____ GAL-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

RECEIVED
STATE OF KANSAS
CONSERVATION DIVISION
Wichita, Kansas
APR 09 1991

DEPARTMENT Cement

DESCRIPTION OF JOB Long string

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X J.A. ...

HALLIBURTON OPERATOR ... COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	100	...	B	10 1/2 Salt	...	1.17	15.8
	100	...	B	1.20	15.3

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 30 REASON Shoe

SUMMARY

PRELUSH: BBL-GAL 10-10-1 TYPE De 900

LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 99.59

CEMENT SLURRY: BBL-GAL 44.52

TOTAL VOLUME: BBL-GAL 154.17

REMARKS

...

CUSTOMER Ph 11-25 DATE 11-28-91