

ORIGINAL

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

Operator: License # 6234

Name: Petroleum Production Management, Inc.

Address 209 E. William, Suite 200

City/State/Zip Wichita, KS 67202

Purchaser: Pawnee Pipeline & Marketing Co., Inc.

Operator Contact Person: Frank E. Novy, Sr. V.P.

Phone (316) 265-4651

Contractor: Name: Murfin Drilling Company

License: 30606

Wellsite Geologist: Joe Baker

Designate Type of Completion
 New Well Re-Entry Workover

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

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

9-10-94 9-14-94 9-15-94
Spud Date Date Reached TD Completion Date

API NO. 15- 055-21333-0000

County Finney

 - - C - SW Sec. 34 Twp. 21S Rge. 34W X W

1320 Feet from (S)N (circle one) Line of Section

3960 Feet from (E)W (circle one) Line of Section

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

Lease Name Aeilts Well # 6

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2958' KB 2963'

Total Depth 2730' PBTB 2688'

Amount of Surface Pipe Set and Cemented at 9 jts. @ 354 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2729'

feet depth to pit w/ 720 sx cmt.

Drilling Fluid Management Plan ALT 2 JFH 8-11-95
(Data must be collected from the Reserve Pit)

Chloride content 39,000 ppm Fluid volume 4200 bbls

Dewatering method used allowed to dry naturally

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 Frank E. Novy
Title Senior Vice President Date 5-18-95

Subscribed and sworn to before me this 18th day of May, 19 95.

Notary Public Connie L. Crook

Date Commission Expires 12-12-96

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

RECEIVED
KANSAS CORPORATION COMMISSION
Form ACO-1 (7-91)

AMENDED TO ADD IP, CORRECT ALT II INFO

CONNIE L. CROOK
NOTARY PUBLIC-STATE OF KANSAS
My Appt. Exp. 12-12-96

MAY 22 1995
5-22-95
CONSERVATION DIVISION
WICHITA, KS

SIDE TWO

Operator Name Petroleum Production Management, Inc. Lease Name Aeilts Well # 6

Sec. 34 Twp. 21S Rge. 34W County Finney

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

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
B/Stone Corral	2044'	+919
Herrington	2494'	+469
Krider	2523'	+440
Winfield	2572'	+391
Towanda	2639'	+324
Fort Riley	2691'	+272

List All E.Logs Run:
 DLL-MSFL
 CNC-D-GR-caliper
 Complex Lith. Analysis
 Cement Bond-MSG-CCL

CASING RECORD <input type="checkbox"/> New <input checked="" 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
Surface	12 1/4"	8 5/8"	23#	334' 347'	60/40 poz.	220	3% CC
Production	7 7/8"	4 1/2"	9 1/2#	2729'	HLC	500	2% CC, 10# gil/sx
					prem. EA2	100	5% calseal, .6%

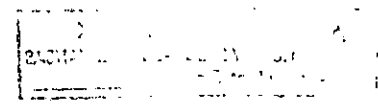
ADDITIONAL CEMENTING/SQUEEZE RECORD Halad 322, 15% salt, circ. 64 sx. to pit				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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	
4	2640-60' - Towanda	2000 gal. 15% FE acid each zone (total	
4	2596-2606' - Winfield	6000 gal.) frac perms w/952 bbls.	
4	2534-44' - Krider	Boragel & 127,400# 12-20 mesh sand	

TUBING RECORD		Size 2 3/8"	Set At 2459'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 2-10-95		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. 0	Gas Mcf 36	Water Bbls. 50	Gas-Oil Ratio NA	Gravity

Disposition of Gas: METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____
 (If vented, submit ACO-18.) Other (Specify) _____



ORIGINAL

DAILY WELL RECORD

RECEIVED
KANSAS CORPORATION COMMISSION

POOL Hugoton

Lease No. KS-132006-0

DEC 22 1994

WC

AFE No. 94032

CONSERVATION DIVISION
WICHITA, KS

API#15-055-21333

LEASE: Aeilts #6

LOCATION: C SW Sec. 34-21S-34W

ELEVATION: 2958 GR 2963 KB County Finney State Kansas

OPERATOR: Petroleum Production Management, Inc. Phone (316) 265-4651

CONTRACTOR: Murfin Drilling Co. Phone (316) 267-3241

CORRELATION WELL Aeilts #5

FORMATION TOPS	SAMPLE TOPS	LOG TOPS	
B/Stone Corral	2044' +919 (-5)		MIRT 9-10-94
Herrington	2495' +468 (-9)	2494' +469	SPUD 1:15 P.M. 9-10-94
Krider	2526' +437 (-11)	2523' +440	SURFACE 9 jts. 8 5/8" set @ 354'
Winfield	2574' +389 (-11)	2572' +391	w/220 sx. 60/40 poz. 3% CaCl 2%
Towanda	2640' +323 (-7)	2639' +324	gel. Circ. 8 bbl. cmt. to pit.
Fort Riley	2691' +272 (-4)	2691' +272	REMARKS
RTD	2730' +233	2726' +237	

DATE

REPORT

9-10-94 MIRT. Spud @ 1:15 p.m. w/12 1/4" bit. Set 8 5/8 @ 354' w/220 sx. 60/40 poz. w/3% CaCl-2% gel. Circ. 8 bbls. cmt. to pit. Plug dn. @ 7:30 pm.

9-11-94
7:30 am Drilled out plug. Dev. 1/4° @ 354'.

9-12-94 Drilling @ 2035'. Dev. 1/2° @ 848', 3/4° @ 1407'. Vis. - 34. MW - 9.4.
9:30 am RTD 2550'. Preparing for DST #1 2501-50' (Krider)

9-13-94
3:00 am DST #1 2501-50' (Krider) Open 45, SI 45, Open 45, SI 60. 1st open - open - very weak blow - died in 38 min. 2nd open - no blow. Rec. 15' mud. IFP-31-31. FFP-41-41. ISIP 31#. FSIP 31#.
8:00 am Drilling ahead. Dev. 1/2° @ 2550'. Vis. 55. MW 9.4. Wtr. loss 14.2 cc. Chlorides 43,000.
3:30 pm DST #2 2578-2610' (Winfield) Open 90, SI 60, Open 120, SI 90. 1st open - very weak blow - built to 1" in bucket. 2nd open - strong blow off btm. of bucket thruout. Rec. 540' gas in drill collars, 20' mud. IFP-50-50. FFP-54-54. ISIP 350#. FSIP 340#. Drilling ahead.

9-14-94
9:30 am RTD 2678'. Vis. 48. MW 9.3. Wtr. loss 18.2 cc. Chlorides 39,000. Running DST #3.

ORIGINAL

9-14-94 (Cont.)

9:30 am DST #3 2644-2678' (Towanda) Open 90, SI 60, Open 90, SI 90. 1st open - weak blow increase to strong in 70 min. 2nd open - strong blow w/GTS in 40 min. Gauge 4.5 MCF. 75 min. - 6.7 MCF. Stab. for remainder of test thru 1/4" choke. Rec. 20' mud. IFP-31-31. FFP 31-31. ISIP 312#. FSIP 312#. Temp. 94°.

3:00 pm Back on btm. drilling.

6:00 pm RTD 2730'. Conditioning hole to log.

8:00 pm RU Halliburton Wireline & ran DLL-MSFL & CND-GR caliper. LTD 2727'.

11:00 pm Logging complete. TIH w/drill pipe to condition hole to run csg.

9-15-94 Dev. 1° @ 2730'. Vis. - 48. MW - 9.3. Wtr. loss 8.0 cc. Chlorides 31,000.

1:00 am Start laying dn. drill pipe.

4:30 am PU 4 1/2" guide shoe & installed on 1 jt. 10 1/2# csg. & TIH w/62 jts. 4 1/2" 9 1/2# used - tested to 4400# - 8 RD csg. Insert float in 1st jt. @ 2695'. Ran 10 centralizers. Ran 2 cement baskets - 1 @ 2050' & 1 @ 1250'. Wash 3' of fill off btm. & set csg 1' off btm. @ 2729'.

7:00 am RU Halliburton. & pump 40 bbl. - 3% salt wtr. Pump 500 gal. mud flush - mix 2 sx. gel - mix & pump 500 sx. HLC w/2% CaCl - 10# Gil/sx. Tail in w/100 sx. premium EA-2 cmt. containing 5% calcium seal, .6% Halad - 322 - 15% salt. Pump cmt. in turbulent flow @ 6 BPM while reciprocating csg. Max. pumping cmt. press. 600#. Circ. 64 sx. cmt. to pit. Had full circulation thruout job.

7:40 am Bump plug - pressure to 1000#. Held 3 min. - ok. Rel. press. - float holding ok. Transfer csg. to bradenhead slips. RDMO Halliburton - zero point 7' ABH. Job complete. Release rig.

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 22 1994

CONSERVATION DIVISION
WICHITA, KS

PETROLEUM PRODUCTION MANAGEMENT, INC.

ORIGINAL

WELL REPORT

X Completion
 _____ Workover

POOL Hugoton LEASE # KS-132006-0

API# 15-055-21333 AFE # 94032

LEASE Aeilts #6 Sec. 34 Twp. 21S Rge. 34W Spot C SW

ZERO POINT 7' ABH ELEV. 2958 GR 2963 KB CO. Finney STATE Kansas

OPERATOR Petroleum Production Management, Inc. RTD 2730' LTD 2726' PBSD 2688'

CONTRACTOR _____ CSG. SIZE & 8 5/8" @ 354' WT. 28#
 DEPTH SET 4 1/2" @ 2729' 9 1/2#

NEW OIL WELL _____ Perfs. _____ Zone _____

NEW GAS WELL X Perfs. 2534-44' - 4 JSPF Zone Krider
 Perfs. 2596-2606' - 4 JSPF Zone Winfield
 Perfs. 2640-60' - 4 JSPF Zone Towanda

B.P. _____

OLD OIL WELL _____ Perfs. _____ Zone _____

OLD GAS WELL _____ Perfs. _____ Zone _____

B.P. _____

REMARKS: _____

REPORT

10-3-94 MIRU Gressel WS.
 Daily cost - \$400

10-4-94 Pick up 4 1/2" csg. scraper, tbg. & TIH. Tag up @ 2691' - float collar @ 2695'. - 4' fill. POOH w/tbg. & scraper. RU HLS - run bond log, GR-CCL from PBSD 2688' to 2000', 1600' to 1000'. POOH w/logging tool. PU 3 - 3/8" perf guns & TIH. Perf Towanda 2640-60' - 4 SPF - 32 gram jet charge - total 80 holes. Perf Winfield 2596-2606' - 10' - 4 SPF - 32 gram jet charge - total 40 holes. Perf Krider 2534-44' - 10' - 4 SPF - 32 gram jet charge - total 40 holes. POOH w/guns. All shots fired. RD HLS & SDFN. Cost - 1200 rig, 5200 HLS, 500 tools, 450 supervision.
 Daily cost - \$7,350 Cum. cost - \$7,750

10-5-94 Pick up Halliburton RBP & 4 1/2" RTTS pkr., 2 3/8" tbg. & TIH. Set RBP @ 2668'. Set RTTS @ 2630'. Pump 2000 gal. 15% FE acid w/additives - break dn. @ 1500# - treat @ 3 BPM @ 500#. ISIP 0#. Lower pkr. & latch onto RBP. Pull RBP to 2630' & set. Pull RTTS pkr. to 2590'. Spot acid across perfs & set RTTS. Acidize Winfield perfs w/2000 gal. 15% FE acid w/additives. Break dn. @ 300# & treat @ 3 BPM @ 325#. ISIP 0#. Lower pkr. & latch onto RBP. Pull RBP up to 2580' & set. Pull RTTS to 2523'. Pump acid to perfs & set pkr. Treat Krider w/2000 gal. 15% FE acid w/additives. Break dn. @ 295#. Acidize @ 3 BPM @ 295#. ISIP 0#. Latch onto RBP & POOH w/RTTS & RBP. Lay Halliburton tools dn. SDFN. Cost - 1000 rig, 10,000 Hal.
 Daily cost - \$11,450 Cum. cost - \$18,750

10-6-94 2:00 p.m. - RU Halliburton & prepare to frac. 3:30 p.m. - frac Towanda, Winfield & Krider perfs dn. 4 1/2" csg. w/952 bbl. Boragel G-3195 fluid system. Pump 15,000 gal. pad @ 40 BPM @ 450#. Pump 3000 gal. w/2 PPG 12-20 sd. @ 40 BPM @ 420#. Pump 2000 gal. w/3 PPG 12-20 sd. @ 40 BPM @ 300#. Pump 2000 gal. w/4 PPG 12-20 sd. @ 40 BPM @ 290#. Pump 3000 gal. w/5 PPG 12-20 sd. @ 40 BPM @ 206#. Pump 4000 gal. w/6 PPG 12-20 sd. @ 40 BPM @ 200#. Pump 4000 gal. w/7 PPG 12-20 sd. @ 40 BPM @ 250#. Pump 5000 gal. w/8 PPG 12-20 sd @ 41 BPM @ 300#. Pump 1725 gal. flush @ 43 BPM @ 500#. ISIP 60#. 5 min. - 0#. Total sand pumped 127,140# 12-20 mesh sd. Job complete @ 4:15 p.m. SDFN. Cost - 30,000 Hal., 1200 rig, 1000 wtr., 1000 frac tank, 450 supervision.
Daily cost - \$33,650 Cum. cost - \$52,400

10-7-94 Well on vac. PU 3 1/2" sand pump & TIH. Fluid 400' from surface. Had 125' sand fill up. Could not pick up any sand - rig up csg. swab & swab csg. to 1750'. POOH. PU sand pump & TIH. Found sand 500' off btm. Made 2 runs w/ sand pump & sand pump plunger stuck. SDFN. Will order bulldog bailer for Mon. a.m. Cost - 600 rig, 225 supervision.
Daily cost - \$825 Cum. cost - \$53,225

10-10-94 PU bulldog bailer. Installed check valve - jar assembly 40 jts. up 2 3/8" tbg. & TIH. Fell thru spot @ 2200' & continued in hole to 2582'. Start bailing sand & cleaned out to 2589' when valve hung up. POOH w/tbg. Removed valve. Could not wash out valve & make stroke. Cleaned out 2 jts. full of frac sand. Called Plainville for replacement valve & SDFN.
Daily cost - \$1,000 Cum. cost - \$54,225

10-11-94 PU bulldog bailer w/blade bit on btm. 4 jts. 2 3/8" tbg. Installed check valve - jar assembly & TIH on 2 3/8" tbg. Tag up @ 2589'. Drilled & clean out frac sand @ 2601' & quit making hole - bit not penetrating sand. Tbg. torquing up. 11:00 a.m. - POOH to check equipment. Rec. 1/2 jt. sand. Blade bit shiny on btm., but showing no wear or scratches on side to indicate working on iron. PU 3 3/4" - 3 cone rock bit, related equipment as above & TIH. Tag up @ 2601'. Rotating bit attempting to make hole. Set dn. all tbg. weight & bit torques up. Work 30 min. to 1 hr. & could not make any hole. POOH w/equipment. Had 1 cone on bit locked up w/wear to 1 cone on btm. Other 2 cones look fine w/no wear. Had no scratches on sides of bit to indicate working on metal. Did rec. 2 jts. tbg. full of frac sand. Lay dn. bit. PU 2 3/8" tbg. notched collar - same installation as above & TIH. Tagged up @ 2601'. Work & rotate collar for 30 min. to 1 hr. w/no success. Could not make hole. POOH w/all equipment & lay dn. bulldog bailer & check valve assembly. Release tools & SDFN. Will order foam unit for tomorrow & attempt to clean remaining frac sand out of csg. Cost - 1000 rig, 1800 tools, 250 bit, 450 supervision.
Daily cost - \$3,500 Cum. cost - \$57,725

10-12-94 RU Weatherford foam unit & compressed air unit & power swivel. PU tbg. & install notched 2 3/8" tbg. collar w/cut rite on btm. Installed check valve above collar, 2 3/8" tbg. & TIH. Installed top check valve in 1st jt. @ top of string. RU foam unit. Press. up on tbg. - would not go thru tbg. Believe to have tbg. plugged. POOH w/tbg. & found btm. check valve installed upside dn. Turned valve around & TIH. Connect up foam unit, power swivel & cleaned out sand from 2584' to float collar - PBSD 2695' in 45 min. Circulated sand up csg. annulus w/foam & circulated foam from hole & displaced foam w/salt wtr. POOH w/tbg. & check valve. RD Weatherford & release foam unit & air compressor. PU 14' MA w/top 3' slotted, SN, 2 3/8" tbg. & TIH on 80 jts. used - tested to 6000# - EUE tbg. from R. Crist #1. Set btm. of MA @ 2459'. SDFN. Cost - 1000 rig, 2000 foam unit, 450 supervision.
Daily cost - \$3,450 Cum. cost - \$61,175

10-13-94 PU 2 X 1 1/2 X 10' BHD pump w/6' gas anchor, 2' pony rod on top of pump & TIH w/97 used 5/8" rods from R. Crist #1. Could not get pump to SN. POOH w/rods & pump. POOH w/tbg. Found foot-check valve in last jt. of tbg. Removed foot-check valve & reran all equipment as before. Seat pump ok. Used 1 - 8' & 1 - 6' 5/8" rod sub, polish rod & space pump out & clamp rods off. RDMO Gressel. Cost RECEIVED, 2430 tbg., 612 rods, 400 pump, 1000 misc. eqpt, 450 supervision. KANSAS CORPORATION COMMISSION
Daily cost - \$5,892 Cum. cost - \$67,067

DEC 22 1994

CONCERN

10-14-94 Moved & set Bethlehem D-40 pumping unit w/C-66 engine & connect to polish rod. Connect propane tank & POP @ 2:00 p.m. Pumping ok. Cost - 1500 unit (15 HP elec mtr. & control panel), trucking 250.

Daily cost - \$1,750

Cum. cost - \$68,817

10-15-94 Unit dn. due to rain storm & out of propane.

10-16-94 WO propane.

10-17-94 WO propane.

10-18-94 Propane truck filled propane tank. Changed engine sheavs & increased SPM. POP @ 1:30 p.m.

10-19-94 Pumped 150 BW to pit. 250# CP. Pumping no fluid. SD unit. Waiting for gas line to be installed.

ORIGINAL

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KANSAS CORPORATION COMMISSION

DEC 22 1994

CONSERVATION DIVISION
WICHITA, KS



HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

DUNCAN COPY

56 M.G.

TICKET No. 634971

FORM 1911 R-10

CUSTOMER PPMI	WELL Aeilts #6	DATE 09-15-94	PAGE 1	OF 1
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-043	516.00272				Premium Cemet	100	sk			10.61	1061.00
504-118					Premium Lite Cement	500	sk			9.61	4805.00
504-043	516.00272					325	sk				
506-105	516.00286					12950	lb				
506-121	516.00259					26	sk				
507-775	516.00144				Halad-322 .6%W/100	56	lb			7.00	392.00
508-127	516.00335				EA-2 5%W/ 100	5	sk			25.90	129.50
508-291	516.00337				Gilsonite 10#W/ 500	5000	lb			.40	2000.00
509-968	516.00315				Granulated Salt 15%W/ 100	675	lb			.15	101.25
509-406	890.50812				Calcium Chloride 2%W/ 500	9	sk			36.75	330.75
509-968	516.00158				Sack salt	400	lb			.15	60.00
500-207					SERVICE CHARGE			CUBIC FEET	735	1.35	992.25
500-300					MILEAGE CHARGE			TOTAL WEIGHT	62,461	LOADED MILES	75
								TON MILES	2342.2875		95
											2225.17

RECEIVED
 KANSAS CORPORATION COMMISSION
 DEC 22 1994
 CONSERVATION DIVISION
 WICHITA, KS

ORIGINAL

No. B 262870

CONTINUATION TOTAL 7,291.92

CONSERVATION DIVISION WICHITA, KS

WELL DATA

FIELD SEP 19 1994 SEC. _____ TWP. _____ RNG. _____ COUNTY Finney 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	<u>4</u>	<u>9.7</u>	<u>4 1/2</u>	<u>2730</u>	<u>61</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-14-94</u>	DATE <u>9-15-94</u>	DATE <u>9-15-94</u>	DATE <u>9-15-94</u>
TIME <u>3:30</u>	TIME <u>4:45</u>	TIME <u>5:50</u>	TIME <u>8:45</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. Crist</u>	<u>38242</u>	<u>Liberal</u>
<u>D. 7653</u>		
<u>R. Martin</u>	<u>15446</u>	<u>Finney</u>
<u>62731</u>		
<u>North</u>	<u>6812</u>	<u>Liberal</u>
<u>W. McIntyre</u>	<u>5302</u>	<u>Liberal</u>
<u>62731</u>		

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		<u>H</u>
FLOAT SHOE		
GUIDE SHOE		<u>D</u>
CENTRALIZERS		
BOTTOM PLUG		<u>W</u>
TOP PLUG <u>4 1/2 SW</u>	<u>1</u>	
HEAD <u>100%</u>	<u>1</u>	<u>C</u>
PACKER		
OTHER		<u>D</u>

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. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

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

BREAKER TYPE _____ GAL.-LB. _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

RECEIVED
 KANSAS CORPORATION COMMISSION
 DEC 22 1994
 CONSERVATION DIVISION
 WICHITA, KS

DEPARTMENT Cement

DESCRIPTION OF JOB Cement Production

Pipe

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X. E. ...

HALLIBURTON OPERATOR Ronald Crist COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>50</u>	<u>Pneum HIC</u>		<u>B</u>	<u>2% C-1, 10% C-2, 10% C-3</u>	<u>1.98</u>	<u>12.1</u>
	<u>100</u>	<u>200</u>		<u>B</u>	<u>5% EA-2, 9% Haled 322, 15% Sulf</u>	<u>1.46</u>	<u>15.3</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. 40 sulf 10 bbl type mud flush

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 43

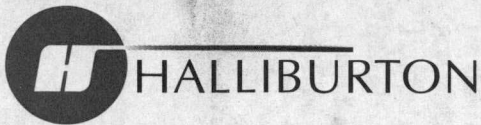
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 17710 25 TC

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

REMARKS

Circulated 23 bbl cmt
64 SKS

CUSTOMER _____
 LEASE APMI
 WELL NO. 100175
 JOB TYPE 1000 ST
 DATE 9-14-94



HALLIBURTON ENERGY SERVICES

CHARGE TO:
 ADDRESS:
 CITY, STATE, ZIP CODE:

COPY

TICKET

No.

634971 - 7

PAGE 1 OF 2

FORM 1906 R-13

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
1. <i>Liberator</i>	<i>6</i>	<i>Ac 175</i>	<i>Franklin</i>	<i>LA</i>	<i>1000</i>	<i>11-20-94</i>	
2. <i>Hunter</i>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>000-117</i>					MILEAGE	<i>200</i>				<i>2.75</i>	<i>550</i>
<i>001-016</i>					<i>Ramp Charge</i>	<i>273</i>					<i>1455</i>
<i>018-319</i>					<i>mid flush</i>	<i>500</i>				<i>65</i>	<i>325</i>
<i>030-016</i>					<i>top plug</i>	<i>4 1/2</i>					<i>45</i>

ORIGINAL

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 KANSAS CORPORATION
 11/22/94
 OPERATIONS DIVISION

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE
X *Ernest Boyle*

DATE SIGNED: _____ TIME SIGNED: _____ A.M. P.M.

TUBING SIZE: _____ TUBING PRESSURE: _____ WELL DEPTH: _____

TREE CONNECTION: _____ TYPE VALVE: _____

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	SURVEY AGREE UN-DECIDED DIS-AGREE OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND	PAGE TOTAL FROM CONTINUATION PAGE(S) SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
BEAN SIZE	SPACERS		
TYPE OF EQUALIZING SUB.	CASING PRESSURE		

2375
7291
9666

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): *Ernest Boyle* CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): **X** *Ernest Boyle*

HALLIBURTON OPERATOR/ENGINEER: *Ernest Boyle* EMP #: *07153* HALLIBURTON APPROVAL: _____

TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

C. RELEASE AND INDEMNITY - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. WAIVER - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.

JOB LOG FORM 2013 R-4

CUSTOMER Production Dept.	WELL NO. 6	LEASE A-173	JOB TYPE Long String	TICKET NO. 634971
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2330							Called out
	0400							on loc starting casing
	0550							Hook to circulate
	0655							Circulating to bit
	0710							Hook to truck
	0619	4	40			0-250		Pump salt water
	0627	4	10			250-700		Pump mud flush
	0630	1	4			700		Pump cement (plug RTW)
	0634	5	174			0-40		Pump Lead Cement
	0708	3	35					Pump Tail Cement
	0717							Drop plug wash up
	0725	5	35			0-50		START Displacement
	0733	2	8			50-750		Slow Rate
	0737					750-1100		Land Plug
	0747					1100		Release Pressure That Hold

CONSERVATION DIVISION
WICHITA, KS

DEC 22 1994

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KANSAS CORPORATION COMMISSION

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KCC
10-1-94

TELEPHONE:

AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

TO: Murfin Drilling Company
250 N. Water #300
Wichita, KS 67202

INVOICE NO. 67256
PURCHASE ORDER NO. _____
LEASE NAME Ocells #6
DATE 9-10-94

SERVICE AND MATERIALS AS FOLLOWS:

Common 132 sks @ \$5.75	\$759.00	
Pozmix 88 sks @ \$3.00	264.00	
Gel #4 sks @ \$9.00	36.00	
Chloride 7 sks @ \$25.00	<u>175.00</u>	\$1,234.00
Handling 220 sks @ \$1.00	220.00	
Mileage (66) @ \$.04 @ per sk per mi	580.80	
Surface	430.00	
M. @ \$2.25 pump trk chg	148.50	
1 plug	42.00	
54' @ \$.39 @ over 300'	<u>21.00</u>	<u>1,442.36</u>

90218 00340 0065 2676.36 Cement Co. (535.28) Thank you!

\$2,676.36
~~535.28~~
2141.08
2141.36

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

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DEC 22 1994

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

627, Russell, KS
93-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

6672

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	9-10-94	Sec.	34	Twp.	21	Range	34	Called Out	2:15 P.M.	On Location	4:45 P.M.	Job Start	7:00 P.M.	Finish	7:30 P.M.	
Lease	Beiler	Well No.	6	Location				Scott City, South to Corner 8W-15-1W 1/4	County	Finney	State	KS				

Contractor	Maupin Drilling
Type Job	Surface
Hole Size	12 7/8" T.D. 354'
Csg.	8 5/8" 23# Depth 347'
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	15' Landing Shoe Joint 7'
Press Max.	Minimum
Meas Line	Displace 21.64 BBL
Perf.	

Owner ~~Maupin~~ Petroleum Production Management Inc.
 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 Maupin Drilling Company
 Street 250 N. Water # 300
 City Wichita State KS 67202
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
[Signature]

CEMENT

Amount Ordered	220 60/40 223
Consisting of	
Common	132 5.75 759.00
Poz. Mix	88 3.00 264.00
Gel.	4 9.00 36.00
Chloride	7 25.00 175.00
Quickset	

EQUIPMENT

No.	Cementer	
Pumptrk 224	Helper	Mike Bell
No.	Cementer	
Pumptrk	Helper	
	Driver	Rick
Bulktrk 199		
Bulktrk	Driver	

DEPTH of Job	354'
Reference:	
66	Pump Job Chg 430.00
	Pump Job Mileage 148.50
	TWP 42.00
54' at .39	Subtotal 21.06
	Total 641.56

Handling	220 1.00 220.00
Mileage	66 580.80
Subtotal	
Total	2034.80

Floating Equipment
 TOTAL \$ 2676.36
 Disc 535.28

Remarks: Ran 9 gals of 8 5/8" 23# New Pipe, broke circulation with rig. Mixed 220 SKs 60/40 223 replaced with 27.5 BBL fresh water. Cement did circulate. Thank you
 Allied Cementing
 by Michael Mason

RECEIVED \$ 2141.08
 KANSAS CORPORATION COMMISSION

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CONSERVATION DIVISION
WICHITA, KS