

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September 1999
Must Be Typed

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KCC MAIL ROOM
7-1-02
ORIGINAL

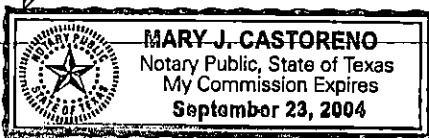
Operator: License # 5249
 Name: Osborn Heirs Company
 Address: P. O. Box 17968
 City/State/Zip: San Antonio, TX 78217
 Purchaser: PL connection is Duke Energy
 Operator Contact Person: Nancy A. FitzSimon
 Phone: (210) 826-0700 ext 223
 Contractor: Name: SUPERIOR WELL SERVICING
 License: 32297
 Wellsite Geologist: N/A
 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/Re-entry: Old Well Info as follows:
 Operator: Osborn Heirs Company
 Well Name: Rupp #1
 Original Comp. Date: 10/17/78 Original Total Depth: 3065 ft
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back 2690 ft Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
 6/10/02 6/21/02
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No. 15 - 093-20572-0001
 County: Kearny
W/2 - E/2 - E/2 Sec. 2 Twp. 21 S. R. 38 East West
2640 feet from (S) N (circle one) Line of Section
1260 feet from (E) W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE (SE) NW SW
 Lease Name: Rupp Well #: 1
 Field Name: Hugoton
 Producing Formation: Chase (Krider)
 Elevation: Ground: 3367 Kelly Bushing: 3374
 Total Depth: 3065 Plug Back Total Depth: 2690
 Amount of Surface Pipe Set and Cemented at 348 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from 348
 feet depth to surface w/ 200 sx cmt.
 Drilling Fluid Management Plan REWORK 08/02/02
 (Data must be collected from the Reserve Pit)
 Chloride content _____ ppm Fluid volume _____ bbls
 Dewatering method used _____
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

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 of 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: Nancy A. FitzSimon
 Title: Engineering Manager Date: 6/26/02
 Subscribed and sworn to before me this 26th day of June,
2002
 Notary Public: Mary J. Castoreno
 Date Commission Expires: _____



KCC Office Use ONLY

Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

✓

X

Operator Name: Osborn Heirs Company Lease Name: Rupp Well #: 1
 Sec. 2 Twp. 21 S. R. 38 East West County: Kearny

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.

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)
 List All E. Logs Run: **NONE**

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

CASING RECORD <input 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	# Sacks Used	Type and Percent Additives
surface	12-1/4"	8-5/8"	24#	348	Cl "H"	200	3% CC
production	7-7/8"	5-1/2"	14#	3054	lite	500	
					pozmix	200	18% salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2690	prem plus	140 sxs	2% CC; 1.34 cff/sxs yield; 14.80 ppg
(cement retainer set at 2690 ft)				

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
1	2704-2764 ft	squeezed under cement retainer @ 2690'	
4	2652-2658 ft	Acidized w/ 1200 gal 7-1/2% HCl acid & Fraced w/ 13,600 gal N2 foam & 37,520 lb sand	

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

Date of First, Resumed Production, SWD or Enhr. 6/25/02 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. 0 Gas Mcf 20 Water Bbls. 0 Gas-Oil Ratio _____ Gravity _____

Disposition of Gas _____ METHOD OF COMPLETION _____ Production Interval 2652'-2658'
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____
 (If vented, Sumit ACO-18.) Other (Specify) _____

HALLIBURTON		JOB SUMMARY		SALES ORDER NUMBER 1895686	TICKET DATE 06/10/02
REGION NORTH AMERICA LAND	NWA / COUNTRY Central / USA	BDA / STATE MC/KS	COUNTY KEARNY		
MBU ID / EMPL # MCLI0101 232712	H.E.S. EMPLOYEE NAME LYNDON WHITE	PSL DEPARTMENT CEMENT		CUSTOMER REP / PHONE Richard Geier 620-272-1952	
LOCATION Liberal, KS	COMPANY OSBORN HEIRS CO	WELL TYPE Gas / Workover		API/WVI #	
WELL LOCATION Location NW of Lakin, KS	DEPARTMENT CEMENT	SAP BOMB NUMBER 14118	HES FACILITY (CLOSEST TO WELL SITE) Liberal, KS		
LEASE NAME RUPP	Well No. #1	SEC / TWP / RNG 2 - 21S - 38W			

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HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS
White, L 232712	6.0		
McLane, D 106322	6.0		
Schawo, N 222552	6.0		

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES
420995	240		
10251401	240		
54225/6611	170		

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

Date	Called Out	On Location	Job Started	Job Completed
	06/10/2002	06/10/2002	06/10/2002	06/10/2002
Time	0430	0830	1110	1235

Tools and Accessories

Type and Size	Qty	Make
Float Collar		
Float Shoe		
Centralizers		
Top Plug		
HEAD		
Limit clamp		
Weld-A		
Guide Shoe		
BTM PLUG		

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		14#/ft	5 1/2"				
Liner							
Liner							
Tubing			2 3/8"		GL	2,690	
Drill Pipe							
Open Hole							Shots/Ft.
Perforations					2,758	2,764	
Perforations					2,736	2,744	
Perforations					2,704	2,712	

Materials

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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
6/10	6.0	6/10	1.5	Squeeze Job
Total	6.0	Total	1.5	

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM Disp.	Overall
Feet	Cement Left in Pipe Reason	SHOE JOINT

Cement Data

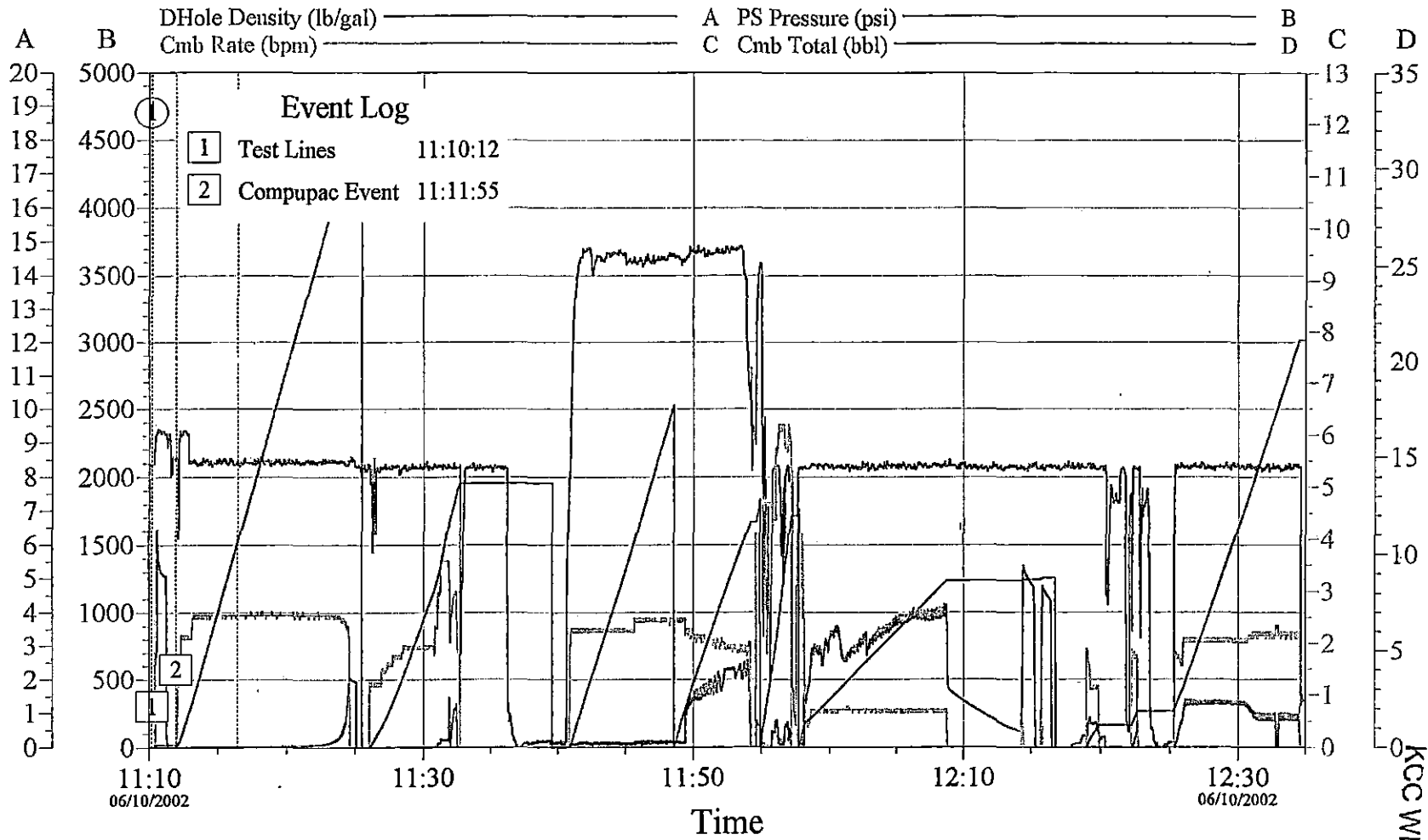
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	75	PREM PLUS		2% CC	6.30	1.34	14.80
2	65	Prem Plus		Neat	6.30	1.34	14.80
3							
4							

Summary

Circulating Breakdown	Displacement	MAXIMUM	Preflush: BBI	Type:
Lost Returns -	Lost Returns -		Load & Bkdn: Gal - BBI	Pad:Bbl -Gal
Cmt Rtm#Bbl	Actual TOC		Excess /Return BBI	Calc.Disp Bbl 10.4
Average	Frac. Gradient		Calc. TOC:	Actual Disp. 9
Shut in: Instant	5 Min. 15 Min		Treatment: Gal - BBI	Disp:Bbl
			Cement Slurry BBI	
			Total Volume BBI	48.0
				57.00

Frac Ring #1 | Frac Ring #2 | Frac Ring #3 | Frac Ring #4

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____
 SIGNATURE _____



Stages

① Start Job 11:10:08 ② End Job 11:16:25

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Customer: Well Description:	Job Date: UWI:	Ticket #:
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HALLIBURTON
 CemWin v1.4.0
 10-Jun-02 12:47