

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

<sup>0600</sup>  
**ORIGINAL**

Operator: License # 30986

Name: CODY RESOURCES, INC.

Address 731 W. WADLEY, STE. 0-114

MIDLAND, TX 79705

City/State/Zip \_\_\_\_\_

Purchaser: Koch Oil Company

Operator Contact Person: Rock Petty

Phone ( 915 ) 686 0181

Contractor: Name: Brandt Drilling Company

License: 5840

Wellsite Geologist: None

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  S10W  Temp. Abd.

Gas  ENHR  SIGW

Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD

Plug Back  PBSD

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Inj?)  Docket No. \_\_\_\_\_

10/28/92 11/11/92 12/30/92

Spud Date Date Reached TD Completion Date

API NO. 15- 033 20863

County Comanche

NW SE SE NW Sec. 16 Twp. 34S Rge. 20  E

2300 Feet from S (circle one) Line of Section

2110 Feet from E (circle one) Line of Section

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

Lease Name Selzer Well # 16-8

Field Name Schumacher North

Producing Formation Arbuckle

Elevation: Ground 1755' KB 1760'

Total Depth 6600' PBSD 6460'

Amount of Surface Pipe Set and Cemented at 687 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from N/A

feet depth to N/A w/ N/A sx cmt.

Drilling Fluid Management Plan DLT 1 3-17-92  
(Data must be collected from the Reserve Pit)

Chloride content 6800 ppm Fluid volume 800 bbls

Dewatering method used hauled offsite

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name KEW

Lease Name Harmon SWD License No. 5993

NW Quarter Sec. 11 Twp. 33 S Rng. 20W E/W

County Comanche Docket No. 98329

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 Vicki Waldrop  
Title Production Date 1/18/93

Subscribed and sworn to before me this 18 day of February, 1993.

Notary Public [Signature]

Date Commission Expires \_\_\_\_\_

 **CHARLES HOUSE**  
Notary Public, State of Texas  
My Commission Expires 9-6-94

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution:  KCC  SWD/Rep  NGPA  Other  
 KGS  Plug  
RECEIVED  
FEB 25 1993  
KANSAS CORPORATION COMMISSION  
WICHITA, KANSAS

SIDE TWO

Operator Name Cody Resources, Inc. Lease Name Selzer Well # 16-8  
 Sec. 16 Twp. 34S Rge. 20  East  West  
 County Comanche

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.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Elgin	3989'	-2229'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	4255'	-2495'
List All E.Logs Run:		Marmaton	4800'	-3040'
Induction, Microlog		Chester	5028'	-3268'
Sonic, Neutron-Density, Cement Bond		Osage	5460'	-3700'
		Viola	5910'	-4150'
		Simpson	6070'	-4310'
		Arbuckle	6203'	-4443'

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	12.25	8.625	24# new	687'	Lite & H	325	2%gel-3%CaCl
Production	7.875	5.5	17#used	6600'	50/50Poz	740	2%gel-10%salt 12.5pps Gilsont 0.6% FLA

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 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
	SEE ATTACHED EXTRA SHEET		

<b>TUBING RECORD</b>	Size 2 7/8	Set At 6348'	Packer At None	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or In.]	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
12/28/92				
Estimated Production Per 24 Hours	Oil 178 Bbls.	Gas 44 Mcf	Water 0 Bbls.	Gas-Oil Ratio 246 Gravity 47

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval: Arbuckle 6204-6314

15-033-20863-0000

ORIGINAL

ACO-1

SIDE TWO  
EXTRA SHEET

Operator Name: Cody Resources, Inc.  
Sec. 16, T34S, R20W

Lease Name: Selzer  
County: Comanche

Well # 16-8

Shots Per Foot	PERFORATION RECORD	Acid, Fracture, Shot, Cement Squeeze Record
2	6204'-6216', 6221'-6233' & 6238'-6246'	No acid treatment
2	6304'-6314'	500 gal MCA 15% HCl acid
	Cast iron bridge plug set at 6460'	
2	6488'-6494'	250 gal MCA 15% HCl acid
	Cement retainer set at 6496'	
2	6498', 6502'-6508' & 6510'-6518'	Squeezed with 50 sk Class H cement
	Cement retainer set at 6521'	
4	6525' squeeze holes	Squeezed with 25 sk Class H cement

RECEIVED  
STATE PRODUCTION COMMISSION

FEB 25 1993

CONSERVATION DIVISION  
Wichita, Kansas



P.O. Box 4442  
Houston, Texas 77

# CEMENTING LOG

STAGE NO. \_\_\_\_\_

RECEIVED  
NOV 19 '92

Date: 10-28-92 District: 554 Ticket No. 07945  
 Company: Brandt Orla. Rig: Brandt  
 Lease: Seizer Well No. 16-8  
 County: Comanche State: KANSAS  
 Location: \_\_\_\_\_ Field: \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size: 2 3/8 Type: J-55 Weight: 24 Collar: \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type: 35:65:6  
3% A7-P, 1/4" Cello-flake Excess \_\_\_\_\_

Amt. 225 Skys Yield 1.98 ft<sup>3</sup>/sk Density 12.5 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type: CLASS A  
3% A7-P, 2% Gel Excess \_\_\_\_\_

Amt. 100 Skys Yield 1.37 ft<sup>3</sup>/sk Density 14.9 PPG

WATER: Lead 10.8 gals/sk Tail 6.4 gals/sk Total 17.2 Bbls.

Burst 2,950 Collapsed 1,370

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

Pump Trucks Used: BSU2540-Hammer

Bulk Equip.: BSU2904, Ricky Blakseley

Drill Pipe: Size 4 1/2 Weight 16.6 Collars X-Hole

Open Hole: Size 12 1/4 T.D. 688 ft. P.B. to \_\_\_\_\_ ft.

Float Equip: Manufacturer Weatherford-Baker

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.70

Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_

Open Holes: Bbls/Lin. ft. .1458 Lin. ft./Bbl. 6.8599

Float: Type Baffle Threaded Depth 648.13

Drill Pipe: Bbls/Lin. ft. .0142 Lin. ft./Bbl. 70.32

Centralizers: Quantity 1 Plugs Top 1 Btm. \_\_\_\_\_

Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

Stage Collars \_\_\_\_\_

8 5/8 x 12 1/4 Bbls/Lin. ft. .0735 Lin. ft./Bbl. 13.6037

Special Equip. Basket

Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt \_\_\_\_\_

Disp. Fluid Type Fresh H<sub>2</sub>O Amt 41 1/4 Bbls. Weight 8.34 PPG

Mud Type Chemical Weight 9.1 PPG

COMPANY REPRESENTATIVE Merlin Freeman

CEMENTER Larry Drelling

TIME M/D/Y	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE (CASING)	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
1:00			15	4	4	Rig up and hold safety meeting
1:15						Pipe on Bottom
1:18	150		5	1	5	Circ w/ Rig Pump
						Rig up to Cement Pump
						Start Fresh H <sub>2</sub> O Pad
						Start Cement, Cement w/ 2.25 sks.
1:22	200		80	20	5	35:65:6, 3% A7-P, 1/4" Cello-flake
						LEAD In, Start Tail; Cement w/
						100 sks. CLASS A, 3% A7-P, 2% Gel
1:40	200		24	6	5	TAIL In. Stop Pumps.
1:48						Release Plug
1:50	100		10	2	4	Start Fresh H <sub>2</sub> O Displacement
1:55	175		25	5	4	PSI Increase
1:58	150		35	5	3	Decrease rate
2:00	600		41	2	3	Bump Plug
						Stop Pumps
						Shut In.
						Release PSI
						Cement Did Circ.

RECEIVED

STATE DEPARTMENT OF REVENUE COMMISSION

FEB 25 1993

CONSERVATION DIVISION  
Wichita, Kansas



P.O. Box 4442  
Houston, Tx. 772

REMIT TO: P.O. Box 297476, Houston, Tx. 77287

CUSTOMER COPY

NOV 19 '92

**SERVICE OPERATIONS CONTRACT**  
TERM: 30 DAYS FROM DATE OF CONTRACT

CUSTOMER ACCOUNT NO.		DIST NAME Med. Ledges		DATE 10-28-92		SERVICE CONTRACT NO. 071945	
CUSTOMER Brandt Drlg.		DIST NUMBER 584		WELL NO. 11-8		LEASE NAME & FEDERAL OFFSHORE LEASE NO. Seizer	
ADDRESS		COUNTY/PARISH Comanche		CODE		STATE Ks.	
CITY		STATE		ZIP		FIELD NAME	
AUTHORIZED BY: (Please Print) Merlin Freeman		ORDER NO.		WELL OWNER Brandt Drlg.		MTA CODE	
STAGE NO.	JOB CODE	WORKING DEPTH		PUMPING EQUIPMENT		TIME (A OR P)	
	1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>	FT		TRUCK CALLED		MM DD YY	
TOTAL PREV. GALS.	SIZE HOLE 12 1/4	DEPTH 688'		ARRIVED AT JOB		10 28 92	
TOTAL MEAS. DEPTH	SIZE & WT. CASING 8 5/8 x 24'	DEPTH 687'		START OPERATION			
691 FT.	SIZE & WT. DRILL PIPE OR TUBING 4 1/2 x 16.6	DEPTH 688'		FINISH OPERATION			
PRESSURE		PACKER DEPTH		MILES FROM STATION TO WELL		SALESMAN NUMBER	
AVG. P.S.I.	MAX. P.S.I.	FLUID PUMPED		6.3			
CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT							
MAX. BPM							
5							
S/S EMPLOYEE NUMBER							
50-10282							

REMARKS

**CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)**

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK  
Oil

SIGNED: X

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	AMT.	PRICE EXTENSION
1 1101101031016	1	Standard Pump	663.00	E	663.00
2 1101101091005	50	mileage, one way	2.47	E	123.50
3 11011011101014	246	Class A	5.79	Q	1424.34
4 11011011210148	79	Fly Ash	3.06	Q	241.74
5 11011011210145	1362	BJ-Gel	.15	L	204.30
6 1101101151049	869	A7-P	.48	L	417.12
7 11011012210108	56	Cello-flake	1.35	L	75.60
8 110110131016316	1	8 5/8 Top Resin Plug	105.25	E	105.25
9 110110109161010	1	8 5/8 Baffle Plate (w) (Tiner)	99.25	E	99.25
0 110110109161010	1	Basket (B)	198.00	E	198.00

SERVICE REPRESENTATIVE  
Larry Dreibing

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: X M J Freeman

CHECK IF CONTINUATION(S) USED

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)



LOAD SHEET

JOB NUMBER		CONTRACT NUMBER 071945		DATE 10-28-92	DISTRICT NAME Med. Lodge, Ky		
CUSTOMER NAME AND ADDRESS Brandt D-19				DIRECT SHIPMENT FROM Vendor Name BJT Services			
							RECEIVED NOV 19 '92
Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED	
1		FRONT CAN					
2	410504	Class A	Q	200		100	
3	415049	A7P	L	544		288	
4	420115	BF Hel	L	374		188	
5							
6							
7							
8							
9							
10		REAR CAN					
11	410504	Class A	Q	146		0	
12	415018	Fly Ash	Q	79		0	
13	420115	BF Hel	L	174		0	
14	415049	A7P	L	587		0	
15	422008	Cello-flake	L	56		0	
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							

STATE OF KENTUCKY RECEIVED

FEB 25 1993

SIGNATURE DIVISION  
WINDY HILLS, KENTUCKY

COPY 1 - DISTRICT COPY  
COPY 2 - CUSTOMER COPY  
COPY 3 - HOUSTON

LOADED BY: J. Kelley  
Kerry Deering  
PRINTED SIGNATURE

CUSTOMER: Tom Seaman  
DATE: 10-28-92



SERVICE OPERATIONS CONTRACT CONTINUATION

CONTRACT NO. 071945 RECEIVED NOV 18 '92

DATE OF JOB 12/18/92 DISTRICT Met. Lodge, KS DIST. NO. 584 AUTHORIZED BY Merlin Freeman

CUSTOMER Brandt Orla.

PRICE BOOK 011

Table with columns: PRICE BOOK REF. NO., QUANTITY, DESCRIPTION, UNIT PRICE, U/M, PRICE EXTENSION. Includes entries for Drayage, mixing Service, and Centerizer, plus a summary for Book Price and Total.

RECEIVED STATE OF KANSAS

SERVICE REPRESENTATIVE Larry Duviling

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: M.F. Freeman FEB 25 1993

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT) CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



# THE WESTERN COMPANY CEMENT JOB DETAIL SHEET

JAN 22 1993

CUSTOMER Gody Resources				DATE 11-13-92	F.R.# L242135	SER. SUP. Greg Burchett			TYPE JOB 2-Stage Long String				
LEASE & WELL NAME-OCSG Selzer #16-18				LOCATION Sec. 16-34S-20W				COUNTY-PARISH-BLOCK Comanche, Kansas					
DISTRICT Woodward			DRILLING CONTRACTOR RIG # Brandt Drilling				OPERATOR						
MATERIAL FURNISHED BY WPS	TYPE OF PLUGS		LIST-CSG-HARDWARE			SQ MANI FOLD XXXX N	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES					
	TOP BTM	Stage Indicator Closing	1-Guide Shoe, 1-Float Collar, 71-Wiper (Cable), 48-Centralizers					SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
750 gal	Surebond						4287	9.4			18.0	13.0	
20 bbls	Water						4870	8.3			20.0	20.0	
260 SKS	50/50 POZ + 10% Salt + 2% Gel + .4% CF-19 +						5518	13.5	1.55	6.2	71.7	38.7	
12#/SK Gilsonite													
Available Mix Water 100 Bbl.				Available Displ. Fluid 150 Bbl.				TOTAL			109.7	71.7	
HOLE			TBM-CSG-D.P.				TBG-CSG-D.P.			COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	WGT.	TYPE	DEPTH	SHOE	FLOAT	STAGE
7-7/8	80%	6600	5 1/2	17	J-80	6600					6600	6560	5519
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID			
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.	
8-5/8	24	K-55	675						5 1/2	8°		9.0	
CAL. DISPL. VOL.-Bbl.			CAL. PSI	CAL. MAX PS	OP. MAX	MAX TBG PSI		MAX CSG PSI		DISPL. FLUID		WATER SOURCE	
TBG.	CSG.	CSG.	TOTAL	BUMP PLUG	TO REV	SO. PSI	RATED	OP.	RATED	OP.	TYPE	WGT.	
	154		154	350					4900	2500	Water	8.3 Rlg	
EXPLANATION: TROUBLE SETTING TOOL RUNNING CSG, ETC. PRIOR TO CEMENTING.													
PRESSURE/RATE DETAIL						EXPLANATION							
TIME HR: MIN.	PRESSURE-PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input checked="" type="checkbox"/>							
	PIPE	ANNULUS				TEST LINES 3000 PSI							
						CIRCULATING WELL-RIG <input checked="" type="checkbox"/> WPS <input type="checkbox"/>							
9:41	500		5.0	-	Surebond	Start Surebond Spacer							
9:45	450		5.0	18.0	Water	Start Water							
9:50	500		5.0	38.0	Cement	Start Cement @ 13.5#/gal.							
10:09	0		0.0	109.7	Cement	All Cement - Shut Down							
10:12	0		0.0	-	Water	Wash Pumps & Lines							
10:15	200		6.0	-	Water	Drop Plug - Displace w/Water							
10:19	200		7.5	30.0	Mud	Start Mud Displacement							
10:39	900		3.0	150.0	Mud	Slow Rate							
10:40	1400		0.0	154.0	Mud	Bump Plug - Bleed Back							
						Float O.K.							
11:00	0		0.0	0.0	Mud	Drop Bomb (Stage Part)							
12:10	1200		2.5	-	Mud	Open Stage Tool							
12:14	0		0.0	10.0	Mud	Shut Down							
ORIGINAL													
RECEIVED STATE DEPARTMENT OF REVENUE FEB 25 1993													
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	TOTAL Bbl. PUMPED	Bbl. CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP. Greg Burchett		CONSERVATION ENGINEER Wichita, Kansas				
Y XXX	1300	Y XXX	273.7		0	5518	CUSTOMER REP. J. Baccus						





# THE WESTERN COMPANY CEMENT JOB DETAIL SHEET

CUSTOMER Cody Resources	DATE 11-13-92	F.R. # L242135	SER. SUP. Greg Burchett	TYPE JOB 2-Stage Long String
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LEASE & WELL NAME-OCSSG Seizer #16-18	LOCATION Sec. 16-34S-20W	COUNTY-PARISH-BLOCK Comanche, Kansas
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DISTRICT Woodward	DRILLING CONTRACTOR RIG # Brandt Drilling	OPERATOR
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MATERIAL FURNISHED BY WPS	TYPE OF PLUGS		LIST-CSG-HARDWARE	SQ MANI FOLD XXXXN	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES						
	TOP	BTM				SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
750 gal	Surebond				2387	9.4					18.0	13.0
20 bbls	Water				2971	8.3					20.0	20.0
480 SKS	50/50 POZ + 10% Salt + 2% Gel + .4% CF-19 +				3619	13.5	1.55	6.2			132.5	71.4
	12½#/SK Gilsonite											
Available Mix Water		120 Bbl.	Available Displ. Fluid		200 Bbl.			TOTAL		170.5	94.4	

HOLE			XPOX CSG-D.P.X				TBG-CSG-D.P.				COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	WGT.	TYPE	DEPTH	SHOE	FLOAT	STAGE
7-7/8	30%	6600	5½	17	N-80	6600					6600	6560	5519

LAST CASING		PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID			
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8-5/8	24	K-55	675				5½		8°			9.0

CAL. DISPL. VOL.-Bbl.				CAL. PSI		CAL. MAX PS		OP. MAX		MAX TBG PSI		MAX CSG PSI		DISPL. FLUID		WATER
TBG.	CSG.	CSG.	TOTAL	BUMP PLUG	TO REV	SO. PSI	RATED	OP.	RATED	OP.	RATED	OP.	TYPE	WGT.	SOURCE	
	128.0		128.0	1000							2500		Water	8.4	Rig	

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING.

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR: MIN.	PRESSURE-PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	3500 PSI
						CIRCULATING WELL-RIG <input checked="" type="checkbox"/> WPS <input type="checkbox"/>	
2:20	900		5.0	-	Surebond	Start Surebond Spacer	
2:26	850		5.0	18.0	Water	Start Water	
2:31	800		4.5	38.0	Cement	Start Cement @ 13.5#/gal.	
3:00	0		0.0	170.5	Cement	All Cement - Shut Down	
3:04	200		7.0	-	Water	Drop Plug - Start Displacement	
3:13	450		7.0	57.0	Water	Catch Cement	
3:24	3000		5.0	128.0	Water	Slow Rate - Bump - Close D.V. Tool	
						Bleed Back - Tool Closed	

ORIGINAL

RECEIVED  
STATE GEOLOGICAL COMMISSION

FEB 25 1993

CONSERVATION DIVISION  
Wichita, Kansas

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	TOTAL Bbl. PUMPED	Bbl. CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP. Greg Burchett	CUSTOMER REP. J. Baccus
Y XXXX	3000	Y XXXX	298.5		0	3619		





# THE WESTERN COMPANY CEMENT JOB DETAIL SHEET

CUSTOMER Cody Resources	DATE 12-7-92	F.R.# 225887	SER. SUP. Ronnie Griffith	TYPE JOB Squeeze
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LEASE # WELL NAME-OCSG Seizer #16-B	LOCATION Sec. 16-34S-20W	COUNTY-PARISH-BLOCK Comanche, Kansas
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DISTRICT Woodward	DRILLING CONTRACTOR RIG #	OPERATOR
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MATERIAL FURNISHED BY WPS	TYPE OF PLUGS		LIST-CSG-HARDWARE	SQ MANI FOLD Y <del>XXX</del>	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES					
	TOP	BTM				SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
50 SKS	Class H + .4% CF-2					16.4	1.06	4.28		9.5	5.0
Available Mix Water 60.0 Bbl.						Available Displ. Fluid 280 Bbl.					
						TOTAL 9.5 5.0					

HOLE			<del>TBG-CSG-D.P.</del>			TBG-CSG-D.P.			COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	WGT.	TYPE	DEPTH	SHOE	FLOAT	STAGE
			2-7/8	6.5		6496	5 1/2	15.5		6518			

LAST CASING				PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID	
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
5 1/2	15.5		6600	Baker Retainer		6496	6498	6518	2-7/8		2% KCL	8.4

CAL. DISPL. VOL.-Bbl.				CAL. PSI	CAL. MAX PS	OP. MAX	MAX TBG PSI		MAX CSG PSI		DISPL. FLUID		WATER
TBG.	CSG.	CSG.	TOTAL	BUMP PLUG	TO REV	SO. PSI	RATED	OP.	RATED	OP.	TYPE	WGT.	SOURCE
37.5			37.75								2% KCL	8.4	xport

EXPLANATION: TROUBLE SETTING TOOL RUNNING CSG, ETC. PRIOR TO CEMENTING:  
Perfs 6498, 6502-08, 6510-18

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR: MIN.	PRESSURE-PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	2000 PSI
						CIRCULATING WELL-RIG <input type="checkbox"/> WPS <input type="checkbox"/>	
1:27	0	200	2.5	6.00	2% KCL	Load Backside	
1:30	0	200	-	6.00	2% KCL	Shut Down	
1:30	1700	200	1.0	7.00	2% KCL	Load Tubing - Establish Rate	
1:49	0	200	-	7.00	2% KCL	Shut Down	
2:16	1700	200	1.0	5.00	Water	Water Ahead	
2:22	2000	200	2.0	9.50	Cement	Start Cement	
2:27	0	200	-	-	-	Shut Down - Clean Pumps & Lines	
2:31	3000	200	.2	37.75	2% KCL	Start Displacement	
3:17	2800	200	0.0	37.75	2% KCL	Shut Down - Bleed Off	
3:19	0	500	3.0	45.00	2% KCL	Reverse Out	
3:37	0	0	-	45.00	2% KCL	Shut Down	
ORIGINAL							

**RECEIVED**  
STATE COMMISSION  
**FEB 25 1993**

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	TOTAL Bbl. PUMPED	Bbl. CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP. Ronnie Griffith CUSTOMER REP. J. Baccus	CONSERVATION COMMISSION Wichita, Kansas
Y N		Y N	110.2	0				