

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 # 4981

Name: Cholla Resources, Inc.

Address 1641 California St., #300

City/State/Zip Denver, CO 80202

Purchaser: Permian

Operator Contact Person: William Goff

Phone (303)-623-4565

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: William Goff

Designate Type of Completion
 New Well Re-Entry Workover

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

If OWM: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

5/15/91 5/26/91 6/13/91
Spud Date Date Reached TD Completion Date

API NO. 15- 171-20,429-00-00

County Scott ✓

SE SF SW sec. 15 Twp. 19S Rge. 34 East West

330 ✓ Ft. North from Southeast Corner of Section

2970 ✓ Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

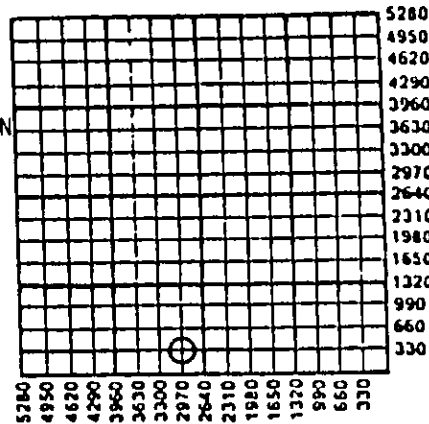
Lease Name Josephine ✓ Well # 2-15

Field Name _____

Producing Formation Morrow

Elevation: Ground 3065' KB 3074'

Total Depth 4910' P8TD 4873'



9-27-91

Amount of Surface Pipe Set and Cemented at 265 Feet

Multiple Stage Cementing Collar Used? Yes No

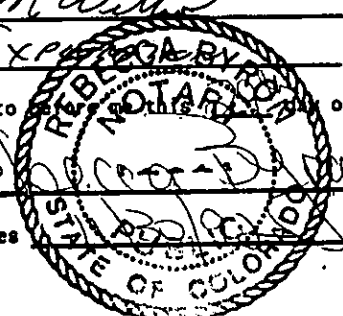
If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 9615'
feet depth to 4910' w/ 405 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 well's. 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 [Signature]
Title V.P. Exploration Date 9/27/91
Subscribed and sworn to before me on this 27th day of August, 1991.
Notary Public [Signature]
Date Commission Expires _____



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 Cholla Resources, Inc. Lease Name Josephine Well # 2-15
 Sec. 15 Twp. 19S Rge. 34 East County Scott
 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.)

Formation Description		
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Name	Top	Bottom
Anhydrite	2296	
Lansing	3996	
BKC	4430	
Marmaton	4461	
Morrow Sh.	4760	
Morrow Sd.	4784	
Miss.	4824	
St. Louis	4864	

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"		265'	60/40 Poz	150	2%Gel 3%CC
Production	7 7/8"	4 1/2"	11.5	4906'	60/40 Poz	405	2%Gel

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated		Depth
2	4810'-14'		
2	4786'-92'		

TUBING RECORD Size 2 3/8" Set At 4869' Packer At _____
 Liner Run Yes No

Date of First Production 6/15/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	20		20		29

Disposition of Gas: Vented Sold Used on Lease (if vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perforation Dually Completed Comingled
 Other (Specify) _____

Production Interval _____

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name JOSEPHINE #2-15 Test No. 3 Date 5/24/91
 Company CHOLLA RESOURCES INC Zone Tested MORROW
 Address 1641 CALIF ST #300 DENVER CO Elevation _____
 Co. Rep./Geo. MR BILL GOFF Cont. EMPHASIS RIG #10 Est. Ft. of Pay 8
 Location: Sec. 15 Twp. 19S Rge. 34W Co. SCOTT State KS

Interval Tested 4751-4790 Drill Pipe Size 4.5 XH
 Anchor Length 39 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Top Packer Depth 4746 Drill Collar - 2.25 Ft. Run 30
 Bottom Packer Depth 4751
 Total Depth 4790

Mud Wt. 9.2 lb / gal. Viscosity 44 Filtrate 9.2

Tool Open @ 3:33 PM Initial Blow FAIR TO STRONG BLOW OFF BOTTOM IN 2.5
MINUTES-ISI: BLED OFF BLOW-SURFACE RETURN SLOWLY BUILT TO 4"
 Final Blow FAIR RETURN BLOW OFF BOTTOM IN 4 MINUTES-PSI: BLED
OFF BLOW -SURFACE RETURN BUILT TO 10" THROUGHOUT

Recovery - Total Feet 800 Flush Tool? NO RECEIVED STATE REGULATION COMMISSION

Rec. 600 Feet of GAS IN PIPE-FAINT ODODR SEP 03 1991

Rec. 420 Feet of GASSY OIL-15%GAS/85%OIL/ REGULATION DIVISION Hays, Kansas

Rec. 120 Feet of GASSY OIL CUT MUD-30%GAS/5%OIL/25%IMMULSION/40%MUD

Rec. 120 Feet of GASSY OIL CUT MUD-5%GAS/5%OIL/70%WTR/20%MUD

Rec. 60 Feet of GSY WTR CUT MUD-10%GAS/65%IMMULSION/10%WTR/15%MUD

BHT 122 °F Gravity 26 °API @ 70 °F Corrected Gravity 27 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 2341.5 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 110.2 PSI @ (depth) _____ w/Clock No. 27567

(C) First Final Flow Pressure 181.4 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-In Pressure 702.3 PSI @ (depth) 4785 w/Clock No. 30418

(E) Second Initial Flow Pressure 253.2 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 348.9 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-In Pressure 731.2 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2310.5 PSI Initial Shut-In 60 Final Shut-In 120

Our Representative MR ROD STEINBRINK TOTAL PRICE \$ 800

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name JOSEPHINE #2-15 Test No. 2 Date 5/23/91
Company CHOLLA RESOURCES INC Zone Tested MARMATON
Address 1641 CALIP ST #300 DENVER CO Elevation 3074 KB
Co. Rep./Geo. MR BILL GOFF Cont. EMPHASIS RIG #10 Est. Ft. of Pay _____
Location: Sec. 15 Twp. 19S Rge. 34W Co. SCOTT State KS

Interval Tested 4484-4500 Drill Pipe Size 4.5 XH
Anchor Length 16 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4479 Drill Collar - 2.25 Ft. Run 30
Bottom Packer Depth 4484
Total Depth 4500

Mud Wt. 9.3 lb / gal. Viscosity 51 Filtrate 11.6

Tool Open @ 4:15 AM Initial Blow SURGE @ OPEN-NO BLOW

Final Blow NO RETURN-FLUSHED TOOL/GOOD SURGE-NO HELP
NO FINAL SHUTIN-PULLED ON COMPANY ORDERS

Recovery - Total Feet 2 Flush Tool? YES

Rec. 2 Feet of DRILLING MUD-NO SHOW OF OIL

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 108 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 2188.9 PSI Ak1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 21.2 PSI @ (depth) 4489 w/Clock No. 27567

(C) First Final Flow Pressure 21.2 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-In Pressure 21.2 PSI @ (depth) 4495 w/Clock No. 30418

(E) Second Initial Flow Pressure 21.2 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 21.2 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-In Pressure 21.2 PSI Initial Opening 20 Final Flow 20

(H) Final Hydrostatic Mud 2077.8 PSI Initial Shut-In 30 Final Shut-In _____

Our Representative MR ROD STEINBRINK TOTAL PRICE \$ 800

RECEIVED
STATE CORPORATION COMMISSION

SEP 03 1991

Division
Hays, Kansas

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name JOSEPHINE #2-15 Test No. 1 Date 5/22/91
 Company CHOLLA RESOURCES INC Zone Tested MARMATON
 Address 1641 CALIF ST #300 DENVER CO Elevation 3074 KB
 Co. Rep./Geo. MR BILL GOFF Cont. EMPHASIS RIG #10 Est. Ft. of Pay _____
 Location: Sec. 15 Twp. 19S Rge. 34W Co. SCOTT State KS

Interval Tested 4454-4480 Drill Pipe Size 4.5 XH
 Anchor Length 26 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Top Packer Depth 4449 Drill Collar - 2.25 Ft. Run 30
 Bottom Packer Depth 4454
 Total Depth 4480

Mud Wt. 9.2 lb / gal. Viscosity 47 Filtrate 9

Tool Open @ 3:20 PM Initial Blow WEAK-DIED IN 10 MINUTES

Final Blow NO BLOW

Recovery — Total Feet 5 Flush Tool? NO

Rec. 5 Feet of DRILLING MUD

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STATE CORPORATION COMMISSION

Rec. _____ Feet of _____

SEP 03 1991

Rec. _____ Feet of _____

CONSERVATION DIVISION
Wichita, Kansas

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 116 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2241.6 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 62.3 PSI @ (depth) 4458 w/Clock No. 26191

(C) First Final Flow Pressure 62.3 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-In Pressure 181.2 PSI @ (depth) 4476 w/Clock No. 26199

(E) Second Initial Flow Pressure 62.3 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 62.3 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-In Pressure 170.8 PSI Initial Opening 20 Final Flow 20

(H) Final Hydrostatic Mud 2179.5 PSI Initial Shut-In 30 Final Shut-In 30

Our Representative MR DAN BANGLE TOTAL PRICE \$ 800

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. No. 7356

Home Office P. O. Box 31 Russell, Kansas 67665

new

Date	5-14-91	Sec.	15	Twp.	19	Range	34	Called Out	12:15 PM	On Location	3 AM	Job Start	(6:30) AM	Finish	7:30 AM
Lease	<i>Asph. line</i>	Well No.	7-15		Location	<i>Adco 6 1/2' x 9'</i>			County	<i>Scott</i>		State	<i>Ks</i>		
Contractor	<i>Smith Rig 10</i>														
Type Job	<i>Drill Office Only</i>														
Hole Size	<i>13 1/4"</i>		T.D.	<i>767</i>											
Csg.	<i>RES</i>		Depth												
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	<i>15'</i>		Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace	<input checked="" type="checkbox"/>											
Perf.															

EQUIPMENT

Pumptrk	No.	Cementer	<i>Ken</i>
		Helper	<i>Bill</i>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk		Driver	<i>Frithe</i>
Bulktrk		Driver	

DEPTH of Job

Reference:	<i>Truck</i>			
	<i>mailing</i>			
	<i>8 5/8" L.P.</i>			
		Sub Total		
		Tax		
		Total		

Remarks: *None not used*

Owner *Same*

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 *Challa Resources Inc.*

Street _____

City _____ State _____

The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No. _____

X *1030 Min*

CEMENT

Amount Ordered *1500 @ 2.90 = \$435.00*

Consisting of

Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	

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STATE COMMISSION
SEP 03 1991

Sales Tax _____

Handling _____

Mileage _____

Sub Total _____

Total _____

Floating Equipment _____

Allied Cementing - Drill Shuffler

ORIGINAL



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
125815	05/26/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
JOSEPHINE 1-15		SCOTT		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
NESS CITY		EMPHASIS #10		CEMENT PRODUCTION CASING		05/26/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
158442	TOM ALM			COMPANY TRUCK	16017	

CHOLLA RESOURCES, INC.
1641 CALIFORNIA STREET
SUITE 400
DENVER, CO 80202

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	61	MI	2.60	158.60
		1	UNT		
001-016	CEMENTING CASING	4906	FT	1,365.00	1,365.00
		1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	4 1/2	IN	35.00	35.00
		1	EA		
018-317	SUPER FLUSH	12	SK	87.00	1,044.00
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA	89.00	89.00
825.201					
24A	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA	73.00	73.00
815.1910					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	27.50	27.50
815.1911					
40	CENTRALIZER 4-1/2" MODEL S-4	6	EA	43.00	258.00
807.93004					
320	CEMENT BASKET 4 1/2"	3	EA	85.00	255.00
800.8881					
504-308	STANDARD CEMENT	210	SK	5.45	1,144.50
504-308	STANDARD CEMENT	195	SK	5.45	1,062.75
506-105	POZMIX A	105	SK	3.00	315.00
506-121	HALLIBURTON-GEL 2%	5	SK	.00	N/C
507-277	HALLIBURTON-GEL BENTONITE	21	SK	13.75	288.75
507-285	ECONOLITE	500	LB	.90	450.00
509-968	SALT	1365	LB	.10	136.50
507-775	HALAD-322	124	LB	6.15	762.60
507-210	FLOCELE	38	LB	1.30	49.40
508-127	CAL SEAL	8	SK	19.70	157.60
508-292	GILSONITE, SACKED	2400	LB	.47	1,128.00
500-207	BULK SERVICE CHARGE	644	CFT	1.15	740.60
500-306	MILEAGE CMTG MAT DEL OR RETURN	1636.844	TMI	.80	1,309.48


RECEIVED
STATE COMMISSION
SEP 03 1991
COURTESY DIVISION
Wichita, Kansas

***** CONTINUED ON NEXT PAGE *****

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

INVOICE

HALLIBURTON SERVICES

 A Halliburton Company

INVOICE NO.	DATE
125815	05/26/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
JOSEPHINE 1-15		SCOTT		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE
NESS CITY	EMPHASIS #10	CEMENT PRODUCTION CASING			05/26/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
158442	TOM ALM			COMPANY TRUCK	16017

CHOLLA RESOURCES, INC.
 1641 CALIFORNIA STREET
 SUITE 400
 DENVER, CO 80202

DIRECT CORRESPONDENCE TO:
 FIRST OKLAHOMA TOWER
 210 WEST PARK AVENUE
 SUITE 2050
 OKLAHOMA CITY, OK 73102-5601

PRICE REF NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	INVOICE SUBTOTAL				10,850.28
	DISCOUNT-(BID)				2,170.05-
	INVOICE BID AMOUNT				8,680.23
	*-KANSAS STATE SALES TAX				276.97
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>				\$8,957.20

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.



HALLIBURTON SERVICES
Dallas, Oklahoma 75236

A Division of Halliburton Company

TICKET NO. 125815-8

PAGE 1 OF 1 PAGES

2070 Cont'd BCL & FI. 34660

WELL NO. - FARM OR LEASE NAME L-15 Josephine		COUNTY Scott	STATE KS	CITY / OFFSHORE LOCATION	DATE 5-26-91
CHARGE TO Cholla Resources, Inc.		OWNER Same	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		INITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS 1641 California St. #400		CONTRACTOR Emphasis #10	LOCATION 1 Ness City KS		CODE 25553
CITY, STATE, ZIP Denver CO 80402-1420		SHIPPED VIA 51145	FREIGHT CHARGES <input type="checkbox"/> FPD <input type="checkbox"/> COLLECT	LOCATION 2 Hays KS	CODE 25525
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO W-Scott City KS	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB 035		ORDER NO. B-904188	REFERRAL LOCATION		

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the advance to the customer of credit for the cost of such items, in no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117		1		MILEAGE 51145	61	MI			2.60	158.60
001-016		1		Pump Charge	4906	ST				1365.00
030-016		1		5W Top plug	4	1/2"	1	eq	35.00	35.00
018-317		1		Super Flush	12	sk			87.00	1044.00
12A	825.201	1		Guide Shoe	4	1/2"	1	eq	89.00	89.00
24A	815.19101	1		Insert Flat Valve	4	1/2"	1	eq	73.00	73.00
27	815.19111	1		Fill up Unit	4	1/2"	1	eq	27.50	27.50
40	807.93004	1		S-4 Centralizer	4	1/2"	6	eq	43.00	258.00
320	800.8881	1		Cement Basket	4	1/2"	3	eq	85.00	255.00

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SEP 17 1991

CONSERVATION DIVISION
Wichita Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B- 904188 7545.18

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X 11/22/91 Alan
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X 11/22/91
CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

Xen Carter
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL IO-C
FIELD OFFICE

SUB TOTAL 10550.28
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

DISTRICT Hays KS

DATE 5-26-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Chella Resources (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 2-15 LEASE Josephine SEC. 15 TWP. 19S RANGE 34W
FIELD _____ COUNTY Scott STATE KS OWNED BY Space

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 4910 MUD WEIGHT _____
BORE HOLE _____
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	SIZE	Weight	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>V</u>	<u>4 1/2</u>	<u>1166</u>		<u>4906</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

Cement 4 1/2 longstring with 125 sks EA-2 containing 25% Halad 322 & 5th gilsonite per sk & 35 sks common for scavenger & 300 sks Econalite w/ 1/8th flake/sk, 5th gilsonite per sk & 12 bbl super flush & 20 PRL salt flush

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
- The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That 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 products, supplies or materials, nor the results of any treatment 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 against any damages arising from the use of such information.
 - d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's 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 or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

RECEIVED
STATE CORPORATION COMMISSION

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED _____ CUSTOMER

DATE 5-26-91

TIME 0830 A.M. P.M.

SEP 17 1991

WELL DATA

FIELD _____ SEC. 15 TWP. 19S RNG. 34W COUNTY Scott 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 4910

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>1</u>	<u>11.6</u>	<u>4 1/2</u>		<u>4906</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>Reg 4 1/2</u>	<u>1</u>	<u>Howco</u>
CENTRALIZERS <u>524 4 1/2</u>	<u>6</u>	<u>Howco</u>
BOTTOM PLUG		
TOP PLUG <u>5W 4 1/2</u>	<u>1</u>	<u>Howco</u>
HEAD		
PACKER		
OTHER <u>Baskets 4 1/2</u>	<u>3</u>	<u>Howco</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-26-91</u>	DATE <u>5-26-91</u>	DATE <u>5-26-91</u>	DATE <u>5-26-91</u>
TIME <u>0230</u>	TIME <u>0740</u>	TIME <u>1220</u>	TIME <u>1530</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Ken Carter</u>	<u>51143</u>	
<u>Mick Myskoj</u>	<u>Combo</u>	<u>Ness City KS</u>
<u>Dave Hish</u>	<u>3703</u>	
<u>Bruce Crosswhite</u>	<u>Bulk</u>	<u>Hays KS</u>
<u>Alan Bestright</u>	<u>Bulk</u>	<u>Hays KS</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. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB Cement production casing

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Ken Carter

HALLIBURTON OPERATOR Ken Carter COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>300</u>	<u>Econolite</u>	<u>Poz</u>	<u>B</u>	<u>1/8" Slocce, 5# gilsonite</u>	<u>3.18</u>	<u>11.0</u>
	<u>35</u>	<u>Standard</u>	<u>Class A</u>	<u>B</u>		<u>1.18</u>	<u>15.6</u>
	<u>175</u>	<u>EA-2</u>	<u>Class A</u>	<u>B</u>	<u>3/4" Halad 322, 5# gilsonite</u>	<u>1.36</u>	<u>15.5</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

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 22' REASON shoe fit

PRESLUSH BBL-GAL. 12 TYPE Super Slush

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

TREATMENT: BBL-GAL. _____ DISPL. BBL-GAL. 75 1/4

CEMENT SLURRY BBL-GAL. 219.5

TOTAL VOLUME: BBL-GAL. _____

REMARKS See job log & chart

STATE CORPORATION COMMISSION

Ken Carter

SEP 17 1991

CUSTOMER Halla Resources
 LEASE Josephine
 WELL NO. 1-15
 JOB TYPE Cement
 DATE 5-26-91

HALLIBURTON SERVICES
JOB LOG

WELL NO. 2-15 LEASE Josephine TICKET NO. 125815
 CUSTOMER Chella Resources PAGE NO. 1
 JOB TYPE Cement production casing DATE 5-21-91

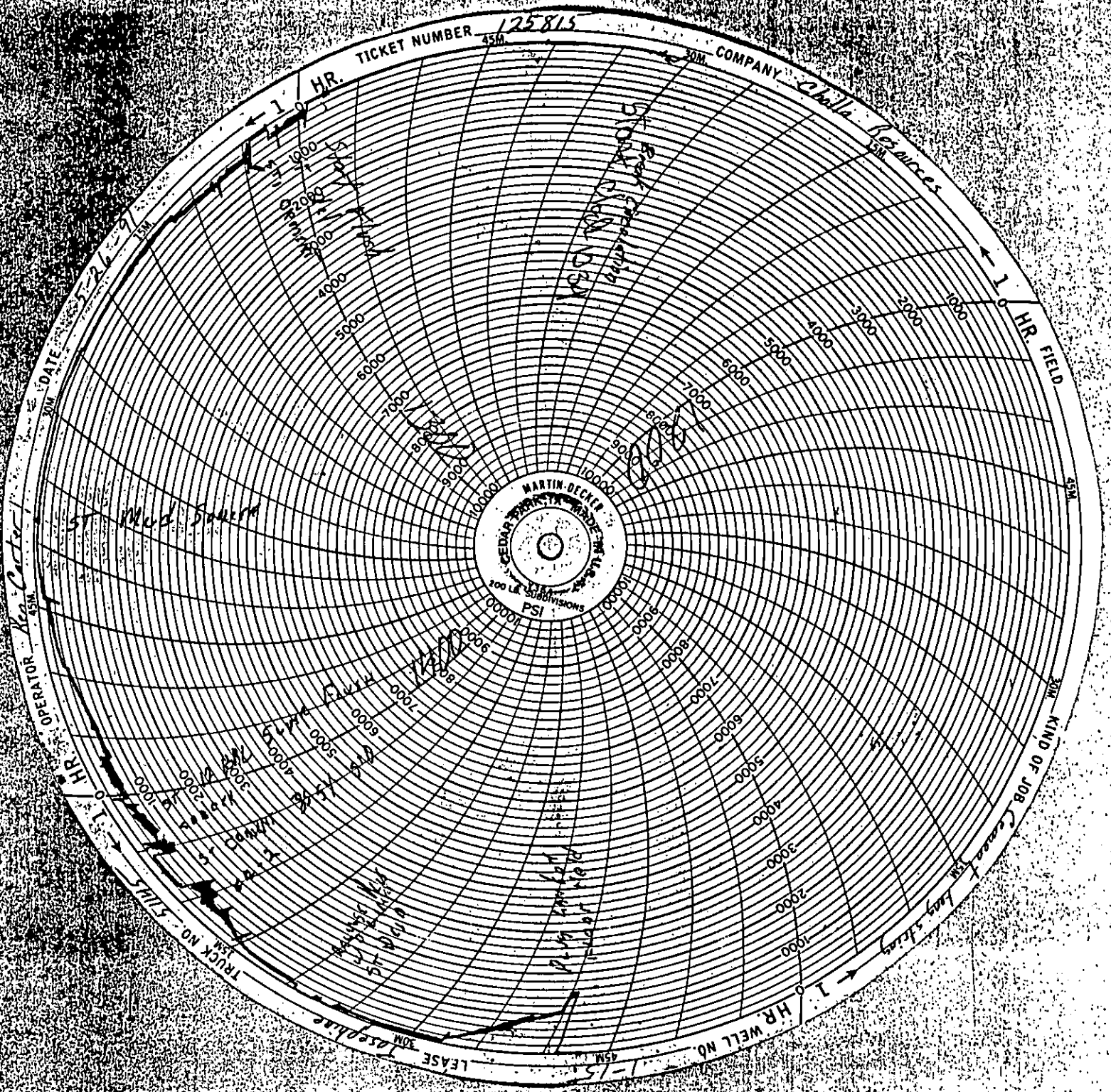
FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	0230							Called out
	0740							On location - rig laying down D.P.
	1000							Finished laying down D.P. doing collar work
	1030							start casing in hole - guide shoe 1 st jt, float valve & fillup Assy 1 st collar - centralizers on jts 1, 3, 6, 8, 9, 59 - baskets on 2, 10, 60
	1235							Finish running casing - hook up Hanna iron & circulate
	1255							Finish circulating - hook up pump truck
	1259	3 1/2	10				250	Pump 10 BBL fresh water ahead
	1302	4	6				250	Pump 6 BBL gel spacer
	1304	6	180				100	Pump 300 sks ecocelite
	1338	5 1/2	120				500	Pump 120 BBL mud
	1400	2	2				550	Pump 2 BBL H ₂ O
	1402	4	12				550	Pump 12 BBL Super Flush
	1405	4	2				650	Pump 2 BBL Spacer
	1409	4	7				650	Pump 35 sks Scavenger cement
	1413	5	42 1/2				300	Pump 125 sks EA-2 cement
	1423							- wash out pump & lines & release plug
	1425	5	76				700	Displace plug
	1440						1400	Plug loaded - float held Circulated 85 BBL cement top (135 sks)
								Plug rat hole with ecocelite wash up truck rack up truck
	1530							Job complete Karl Carter DC589 Rick Mysky EC926 Beverly Crosswhite ST1513 Dave Ash E1609 Helen Wright E1624

RECEIVED
STATE CORPORATION COMMISSION

SEP 17 1991

FIELD OFFICE



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 STATE CORPORATION COMMISSION

SEP 17 1991