



WELL ABANDONMENT REPORT

SUBMIT ORIGINAL PLUS ONE COPY. THIS FORM IS TO BE SUBMITTED AS AN INTENT WHENEVER A PLUGGING IS PLANNED ON A BOREHOLE. THE APPROVED INTENT SHALL BE VALID FOR SIX (6) MONTHS AFTER THE APPROVAL DATE; AFTER THAT PERIOD A NEW INTENT WILL BE REQUIRED. AFTER THE PLUGGING IS COMPLETE, THIS FORM AND ONE COPY SHALL AGAIN BE SUBMITTED ALONG WITH THIRD PARTY CEMENT VERIFICATION AS A SUBSEQUENT REPORT OF THE WORK AS ACTUALLY COMPLETED.

Date Received: 11/20/2000
Doc Num: 200011511

OGCC Operator Number: 46290 Name of Operator: K P KAUFFMAN COMPANY INC Address: 1675 BROADWAY, STE 2800 City: DENVER State: CO Zip: 80202	Contact Name and Telephone Phone: Fax: 303 825-4825	24-hour Contact (required) DAVE SHELTON Tel: 303 894-2100 X 108
API Number: 05-123-09604 00 OGCC Lease No.: Other wells in this lease? Well Name: FIRECRACKER UNIT Well Number: 2 Location (QtrQtr, Sec, Twp, Rng, Mer): SWSE Sec 1 T 1N R 68W PM 6 County: WELD Federal, Indian, or State Lease Number: Field Name: SPINDLE Field Number: 77900	Attachment Checklist Doc Num	

Notice of Intent to Abandon

Only Complete the Following Background Information for Intent to Abandon

Reason for Abandonment: MECH. PROB
Casing to Be Pulled: Yes Top of Casing Cement:
Fish in Hole: Yes
Wellbore has Uncemented Casing Leaks:
Details: TBG IN HOLE, APPROX TOP 5100'

Current and Previously Abandoned Zones

Formation code	Perf Top	Perf Bottom	Date Abandoned	Method of Isolation	Plug Depth
SUSX	5334	5384		NONE	
SNSD	5890	5916		NONE	

Casing History

Casing String	Casing Size	Casing Depth	Cement Top	Stage Cement Top
SURF	8 5/8	680		
1ST	4 1/2	6025		

Plugging Procedure for Intent and Subsequent Report

CIBP # 1: Depth 5100 ft. with 2 sacks cement on top.
Set 40 sacks cement from 1000 ft. to 900 ft. in OPEN HOLE
Set 50 sacks half in, half out surface casing from 720 ft. to 620 ft.
Set 10 sacks at surface.
Cut all casing strings four feet below ground level, weld on plate
Set sacks in rat hole. Set sacks in mouse hole.

NOTE: Two(2) sacks cement required on all CIBPs.

Dry-Hole Marker : No

Additional Plugging Information for Subsequent Report Only

Casing Recovered: ft. of inch casing. Plugging Date:
*Wireline Contractor: *Cementing Contractor:
Type of Cement and Additives Used: *Attach Job Summaries



I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name:

Signed?

Title:

Date:

OGCC Approved: SHELTOND

Title: PE

Date: 11/20/2000

CONDITIONS OF APPROVAL, IF ANY:

PROVIDE 24 HR NOTICE OF MIRU TO DAVE SHELTON
303 - 894 - 2100 X 108

LOCATION: SW1/4 OF SE1/4 OF SEC. 1, T.1N., R.68W. (325 SSL, 2490 ESL)

Ground Elevation: 5042

Number of Acres: 40

AQUIFER	ELEVATION		NET SAND	DEPTH TO		ANNUAL APPROP A-F	STATUS
	BOT.	TOP		BOT.	TOP		
UPPER DAWSON	----	----	----	----	----	----	---
LOWER DAWSON	----	----	----	----	----	----	---
DENVER	----	----	----	----	----	----	---
UPPER ARAPAHOE	----	----	----	----	----	----	---
LOWER ARAPAHOE	----	----	----	----	----	----	---
LARAMIE-FOX HILLS	4522	4846	207.2	520	196	12.43	NNT

note: E indicates location is at aquifer boundary and values may be more approximate.

Data for the LARAMIE FOX-HILLS may be missing or approximate and should be checked against DENVER BASIN ATLAS NO. 4

want to do another (Y/N) (press P to print)



	QTR	QTR	SEC	TWNS	RANGE	PM	NAME	DEPTH	TPERF	BPERF
A	NE	NE	01	010N	0680W	S	SHARPE JACK	750		
B	NE	NE	01	010N	0680W	S	SHARPE JACK	411	366	411
C	SE	NE	01	010N	0680W	S	SHARPE JOHN			
D	NW	NW	01	010N	0680W	S	GASPOR DONALD	30		
E	NW	NW	02	010N	0680W	S	GILLESPIE PALMER			
F	NW	SE	02	010N	0680W	S	REHFELD KEITH	802		
G		SW	02	010N	0680W	S	CO DEPT TRANSPORTATION	10	5	10
H		NE	03	010N	0680W	S	CO DEPT TRANSPORTATION			
I	NW	NE	03	010N	0680W	S	GOODSON & ASSOC			
J	SE	NW	03	010N	0680W	S	NAAB J.			
K	SW	NW	03	010N	0680W	S	BROWN JAMES S	32		
L	SW	NW	03	010N	0680W	S	WOODS EDWARD A. & LORETTA A.	425		
M	SW	SE	03	010N	0680W	S	RIEDER LAURENCE & ARTHUR	227		
N	NE	NE	04	010N	0680W	S	RKY MTN ENERGY			
O	SW	NE	04	010N	0680W	S	ROCKY MTN ENER			
P	SW	NE	04	010N	0680W	S	ROCKY MTN ENER	180		
Q	SW	NE	04	010N	0680W	S	ROCKY MTN ENER	180		
R	SW	NE	04	010N	0680W	S	RKY MTN ENERGY			
S	NW	NW	04	010N	0680W	S	ROCKY MOUNTAIN ENERGY			
T	SE	NW	04	010N	0680W	S	ROCKY MOUNTAIN ENERGY			

Letter=Choice | F10=Mark 1 | PgUp/PgDn=±20 | UpAr/DnAr =±1 | Esc=Quit

	QTR	QTR	SEC	TWNS	RANGE	PM	NAME	DEPTH	TPERF	BPERF
A	SW	SW	09	010N	0680W	S	SHOLTS D			
B	SW	SW	09	010N	0680W	S	HEATER LEWIS S	540		
C	SW	SW	09	010N	0680W	S	STAN JOHN J	595		
D	SW	SW	09	010N	0680W	S	SEITH RICHARD A	600		

E	SW	SW	09	010N	0680W	S SALLEE TERRY L	550
F	SW	SW	09	010N	0680W	S SHULTZ DON	540
G	SE	SW	10	010N	0680W	S THE IMPERIAL COAL CO	
H		NW	11	010N	0680W	S CO DEPT TRANSPORTATION	
I	SE	SE	11	010N	0680W	S COLORADO SERUM CO	
J	SE	SW	11	010N	0680W	S BUTLAND GEORGE M	
K	SE	SW	11	010N	0680W	S BUTLAND GEORGE	577
L	SE	NE	12	010N	0680W	S GARAMELLA M. A.	
M	SE	NE	12	010N	0680W	S MIDDLETON HAROLD	44
N	SE	NE	12	010N	0680W	S WEAVER FLOSSIE	63
O	SW	NE	12	010N	0680W	S STONEBRAKER AUSTIN P.	
P	SW	NW	12	010N	0680W	S STONEBRAKER W	
Q	SW	NW	12	010N	0680W	S STONEBRAKER AUSTIN P	
R	SW	SE	12	010N	0680W	S LEWIS DARRELL D	610
S	SW	SW	12	010N	0680W	S HAMILTON FRANCIS W	250
T	SE	SW	13	010N	0680W	S KENT GREGORY	

Letter=Choice | F10=Mark 1| PgUp/PgDn=+20 | UpAr/DnAr =+1 |Esc=Quit



INDUCTION-
ELECTRIC LOG

COMPANY ANOCO PRODUCTION COMPANY		WELL ROBERT HOUTCHENS #1	
FIELD SPINDLE		COUNTY WELD STATE COLORADO	
Location SW-S/E		CDL-G	
Sec. 1		Twp. 1N Rge. 68W	
Fermant Datum KELLY BUSHING Elev. 5044		Log Measured From KELLY BUSHING Ft. Above Perm. Datum Elev. X.R. 5052 D.F. 5044	
Drilling Measured From		Date 4-25-75	
Run No. ONE		RECEIVED	
Depth-Driller 5205		MAY 1 1975	
Depth-Welex 5210			
Btm. Log Inter. 5205			
Top Log Inter. 570			
Coating-Driller 8 5/8 574			
Coating-Welex 570			
Bit Size 7 7/8			
Type Fluid in Hole WATER BASE MUD			
Dens. 9.0		4.5	
pH 8.0		8.4	
Source of Sample MUD PIT			
R _m @ Meas. Temp. 1.66 @ 81°F		@ °F	
R _{mt} @ Meas. Temp. 1.58 @ 62°F		@ °F	
R _{mt} @ Meas. Temp. 3.28 @ 64°F		@ °F	
Source R _{mt} R _{mt} MEASURED			
R _m @ BHT .91 @ 146°F		@ °F	
Time Since Circ. 4 hours			
Max. Rec. Temp. 146°F @ 11		@ °F	
Equip. Location 7949 CASPER		@ °F	
Recorded By E. CALLAHAN			
Witnessed by MR. A. HEINE			

Change in Mud Type or Additional Samples				SCALE CHANGES			
Date	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down Hole		
Depth-Driller		IEL		NO CHANGE	NO CHANGE		
Type Fluid in Hole							
Dens.	Visc.						
ph	Fluid Loss						
Source of Sample		EQUIPMENT DATA					
R _m @ Meas. Temp.	@ °F	Run No.	Tool Type and No.	Pad Type	Tool Position	Other	
R _{mt} @ Meas. Temp.	@ °F	ONE	42-12993		1 1/2 SO		
R _{mt} @ Meas. Temp.	@ °F						
Source: R _{mt} R _{mt}							
R _m @ BHT	.91 @ 146°F	@ °F					
R _{mt} BHT	.67 @ 146°F	@ °F					
R _{mt} BHT	1.44 @ 146°F	@ °F					
Service Ticket No.		Remarks:					
Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations agrees that Welex is not responsible, except where due to gross negligence or willful misconduct, for any loss, damages, or expenses resulting from the use thereof.							

POTENTIAL MILLIVOLTS		RESISTIVITY OHMS M ² /M		CONDUCTIVITY M MHOS/M	
--- 10 ---		0 18" Normal 50		Induction	
		0 500		500 0	
Rmf .67 at 146 F.		0 AMPLIFIED 10		1000 500	
		Induction			
		0 50			
		0 500			

Rmf .67 at 146 F.

OFFSET

0	AMPLIFIED	10	1000	500
Induction				
0		50		
0		500		

