

FORM MUST BE TYPED

SIDE ONE

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

API NO. 15- 081-21330-00-00

County HASKELL
50' E OF _____ E
C - SE - SW - SE Sec. 1 Twp. 28S Rge. 34 X W

CONFIDENTIAL

Operator: License # 4549

330 Feet from X/S (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

1600 Feet from E/X (circle one) Line of Section

Address P. O. BOX 351

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

City/State/Zip LIBERAL, KANSAS 67905-0351

Lease Name HJV WINTER "A" Well # 1

Purchaser: NCRA **KCC**

Field Name EUBANK

Operator Contact Person: SHAWN YOUNG **DEC 18 2000**

Producing Formation MORROW

Phone (316) 624-6253

Elevation: Ground 3035 KB 3046

Contractor: Name: NORSEMAN DRILLING **CONFIDENTIAL**

Total Depth 5850 PBSD 5410

License: 3779

Amount of Surface Pipe Set and Cemented at 1955 Feet

Wellsite Geologist: _____

Multiple Stage Cementing Collar Used? X Yes _____ No

Designate Type of Completion

If yes, show depth set 3221 Feet

X New Well _____ Re-Entry _____ Workover

If Alternate II completion, cement circulated from _____

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

feet depth to _____ w/ _____ sx cmt.

If Workover:

Drilling Fluid Management Plan Alt 1 4/2/01 JB
Data must be collected from the Reserve Pit)

Operator: _____

Fluoride content 900 ppm Fluid volume 700 bbls

Well Name: _____

Watering method used DRY, BACKFILL & RESTORE LOCATION.

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD
_____ Plug Back _____ PBSD

X Commingled _____ Docket No. PENDING

_____ Dual Completion _____ Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

8-24-2000 9-3-2000 10-21-2000
Spud Date Date Reached TD Completion Date

Operator Name **RELEASED**

Lease Name JAN 04 2005 License No. _____

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

County FROM CONFIDENTIAL Docket No. _____

KANSAS CORPORATION COMMISSION
RECEIVED
CONSERVATION DIVISION
WICHITA, KS
DEC 22 2000

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 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 L. Marc Harvey
L. MARC HARVEY

Title ENGINEERING TECHNICIAN III Date 12-18-2000

Subscribed and sworn to before me this 18th day of December
20 00.

Notary Public Vickie J. Scantlin

Date Commission Expires _____

VICKIE J. SCANTLIN
Notary Public - State of Kansas
My Appt. Expires 6/19/01

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)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HJV WINTER "A" Well # 1

Sec. 1 Twp. 28S Rge. 34
 East County HASKELL
 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) List All E.Logs Run: <u>CBL-CCL-GR, DIL, CNL-LDT, ML, BHC SONIC.</u>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> <tr> <td>B/STONE CORRAL</td> <td>1954</td> <td></td> </tr> <tr> <td>KRIDER</td> <td>2678</td> <td></td> </tr> <tr> <td>B;HEEBNER</td> <td>4100</td> <td></td> </tr> <tr> <td>TORONTO</td> <td>4110</td> <td></td> </tr> <tr> <td>MARMATON</td> <td>4730</td> <td></td> </tr> <tr> <td>PAWNEE</td> <td>4846</td> <td></td> </tr> <tr> <td>MORROW</td> <td>5244</td> <td></td> </tr> <tr> <td>CHESTER</td> <td>5384</td> <td></td> </tr> <tr> <td>STE. GENEVIEVE</td> <td>5484</td> <td></td> </tr> </table>	Name	Top	Datum	B/STONE CORRAL	1954		KRIDER	2678		B;HEEBNER	4100		TORONTO	4110		MARMATON	4730		PAWNEE	4846		MORROW	5244		CHESTER	5384		STE. GENEVIEVE	5484	
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CASING RECORD							
<input checked="" 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"	24.0	1955	CLASS C/ CLASS C.	440/100	3%D79, .2%D46, 1%/SK D29/2%S1, 1%/SK D29.
PRODUCTION	7-7/8"	5-1/2"	15.5	5477	15/85 POZ/ CLASS H.	155/60	8%GEL, 10%SALT, 1%/SK CF/10%SALT, 10%A10, .6%FL52, 1%/SK CF.
			PORT COLLAR @	3221	MIDCON 2/ MIDCON 2.	25/150	2%CC, 1%/SK CF/ 2%CC, 1%/SK CF.

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	5422-5473	CLASS C	50	3%D167.
<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	5440-49, CIBP @ 5410.	ACID: 1000 GAL 15% HCL.	5440-49.
4	5318-36.	ACID: 1800 GAL 15% HCL.	5318-36.	

TUBING RECORD	Size 2-3/8"	Set At 5360'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 11-4-2000		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 200 Bbls.	Gas 0 Mcf	Water 0 Bbls.	Gas-Oil Ratio TSTM Gravity

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval 5318-36.

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KCC

ORIGINAL

Service Order

DEC 18 2000

24-Aug-00

CONFIDENTIAL

Schlumberger
Dowell

Customer ANADARKO PETROLEUM CORPORATI		Person Taking Call Stephen Cole		Dowell Location Ulysses, KS		OrderDate 8/23/00		Job Number 20174739						
Well Name and Number HJV WINTER A-1		Legal Location 1-28S-34W		Field EUBANK		County HASKELL		State/Province KS						
Rig Name NORSEMAN 3		Well Age New		Sales Engineer Stephen Cole		Job Type Cem Surface Casing								
Time Well Ready:		Deviation °		Bit Size 12.3 in		Well MD 1,985 ft		Well TVD 1,985 ft						
BHP psi		BHST 80 °F		BHCT 80 °F										
Treat Down Casing		Packer Type None		Packer Depth ft		WellHead Connection 8 5/8 HS&M		HHP on Location 0						
Max Allowed Pressure		Max Allowed AnnPressure												
Casing					Services Instructions:									
Depth, ft		Size, in		Weight, lb/ft		Grade		Thread						
1985		8.63		23		WC-50		8RD						
Tubing					Extra Equipment: 8 5/8" TX PTN GUIDE SHOE, ORFICE FILL INSERT FLOAT 5 CENTRALIZERS, 1 BASKET, TOP PLASTIC PLUG, 1 THREADLOCK									
Depth,		Size, in		Weight, lb/ft						Grade		Thread		
0		0		0										
0		0		0										
Perforated Intervals														
Top, ft		Bottom, ft		spf		No. of Shots		Total Interval ft						
								Diameter in						

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JAN 04 2005

FROM CONFIDENTIAL

Contact	Voice	Mobile	FAX	Notes
Jim Barlow	316-629-4350	281-543-2343	316-629-4321	FOREMAN
Dick Collins	RIG3 621-3534	316-621-3542		PUSHER
Stephen Cole	316-624-8432	405-880-3396	316-624-8432	DOWELL

Notes:

STRAP FLUIDS, COMMUNICATE EFFECTIVELY, USE MUD SCALE, CATCH SAMPLES.

Directions:

UKS 20E-5N-W?

Other Notes:

IF FLOAT DOES NOT HOLD, LOSE CIRCULATION OR ANY OTHER UNUSUAL CIRCUMSTANCES OCCUR, DOCUMENT THE INFORMATION IN THE JOB FILE AND RECORD ON RIGS.

Circ 12 Bbl to pit. ✓

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ORIGINAL

KCC

DEC 8 2000

CONFIDENTIAL

KCC

DEC 18 2000

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Comments:

ANADARKO
HJV WINTER A1
8 5/8" SURFACE

Fluid Systems:

LEAD			
440 SK C + 3% D79 + 0.2% D46 + 1/2 PPS D29			
Density:	11.4 lb/gal	Thickening Time:	
Yield:	2.87 ft ³ /sk	Viscosity:	cp
H2O Mix:	17.7 gal/sk	Break Time:	
H2O:	7788 gal	Eq. Sack Weight:	94 lb
Dowell Code	Conc/ Amount	Total Quantity	
D029	0.5 lbs/sk	220	
D046	0.2 % BWOB	82.72	
D079	3 % BWOB	1240.8	
D903 'C'	94 lbs/sk	41360	

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JAN 04 2005

FROM CONFIDENTIAL

TAIL			
100 SK C + 2% S1 + 1/4 PPS D29			
Density:	14.8 lb/gal	Thickening Time:	
Yield:	1.32 ft ³ /sk	Viscosity:	cp
H2O Mix:	6.35 gal/sk	Break Time:	
H2O:	635 gal	Eq. Sack Weight:	94 lb
Dowell Code	Conc/ Amount	Total Quantity	
D029	0.25 lbs/sk	25	
S001	2 % BWOB	188	
D903 'C'	94 lbs/sk	9400	

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DEC 18 2000

CONFIDENTIAL

04-Sep-00

Schlumberger
Dowell

Service Order

Customer ANADARKO PETROLEUM CORPORATI		Person Taking Call Dave Brawley		Dowell Location Ulysses, KS		OrderDate 9/4/00		Job Number 20176493	
Well Name and Number HJV WINTER A1			Legal Location Sec. 1-28S-34W		Field EUBANK		County Haskell		State/Province KS
Rig Name NORSEMAN 3		Well Age New	Sales Engineer Stephen Cole			Job Type Cem Prod Casing			
Time Well Ready: 9/4/00 10:00 PM		Deviation 0	Bit Size 0 in	Well MD 5,800 ft	Well TVD 5,800 ft	BHP 0 psi	BHST 130 °F	BHCT 115 °F	
Treat Down Casing	Packer Type None	Packer Depth 0 ft	WellHead Connection Single cement head		HHP on Location 0	Max Allowed Pressure 2000		Max Allowed AnnPressure 0	
Casing					Services Instructions: Safely deliver & perform Cement job with materials & equipment listed on the Service Receipt. Per clients instructions.				
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread					
5477 5800	5.5	15.5	K55	8RD					
0	0	0							
Tubing					Extra Equipment: Take 5 gal D122A to make 10 bbl CW7. Use 25 sks of lead cement for rat & mouse hole				
Depth,	Size, in	Weight, lb/ft	Grade	Thread					
0	0	0							
Perforated Intervals					RELEASED JAN 14 2001 FROM CONFIDENTIAL				
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval					
0	0	0	0	0 ft					
0	0	0	0	Diameter					
0	0	0	0	0 in					

Contact	Voice	Mobile	FAX	Notes
Dan Eisenhauer		281-543-2346		

Notes:
 CASING HARDWARE - 5 1/2
 1- Guide Shoe 1- Auto Fill Insert
 30- Centralizers 1- Top Plastic Plug
 1- Port Collar 1- Thread Lock Kit

Directions:
 UKS 21 E, 5 N, W into.

Other Notes:

Comments:

Fluid Systems:

Lead

180 sks 15/85 Poz/C
155

25 sks in MA & RH

Density: 12.8 lb/gal Thickening Time:
Yield: 1.99 ft³/sk Viscosity: cp
H2O Mix: 12.4 gal/sk Break Time:
H2O: 2232 gal Eq. Sack Weight: 91.75 lb

Dowell Code	Conc/ Amount	Total Quantity
D046	0.2 % BWOB	33.03
D029	0.25 lbs/sk	45
D044	10 % BWOW	1861.488
D020	8 % BWOB	1321.2
D132	11.85 lbs/sk	2133
D903	79.9 lbs/sk	14382

Spacer

10 bbl CW7

Density: lb/gal Thickening Time:
Yield: ft³/sk Viscosity: cp
H2O Mix: 0 gal/sk Break Time:
H2O: 420 gal Eq. Sack Weight: 0 lb

Dowell Code	Conc/ Amount	Total Quantity
D122A	11.9 gal/1000 gal	4.998

Tail

60 sks SELFSTRESS I

Density: 14.4 lb/gal Thickening Time: 2 hrs
Yield: 1.63 ft³/sk Viscosity: cp
H2O Mix: 7.85 gal/sk Break Time:
H2O: 471 gal Eq. Sack Weight: 94 lb

Dowell Code	Conc/ Amount	Total Quantity
D046	0.2 % BWOB	11.28
D029	0.25 lbs/sk	15
D167	0.6 % BWOB	33.84
D044	10 % BWOW	392.814
D053	10 % BWOB	564
D909	94 lbs/sk	5640



HALLIBURTON

CONFIDENTIAL JOB SUMMARY

ORDER NO. 70006

TICKET #	937765	TICKET DATE	10-18-00
BDA / STATE	KS	COUNTY	MASKELL
PSL DEPARTMENT	ZONAL ISOLATION		
CUSTOMER REP / PHONE	CLAUDE CERCONO	KCC	
API / UWI #	205		
JOB PURPOSE CODE	205		

REGION	North America	NWA/COUNTRY	MID CONTINENT
MBU ID / EMP #	McL 10104 105848	EMPLOYEE NAME	John Woodrow
LOCATION	Liberal KS	COMPANY	ANADARKO PETROLEUM
TICKET AMOUNT	\$ 7167.00	WELL TYPE	01
WELL LOCATION	N.W. SUBLETTE	DEPARTMENT	CEMENT
LEASE / WELL #	HJV WINTER # A-1	SEC / TWP / RNG	

DEC 18 2000

CONFIDENTIAL

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
J. Woodrow 105848	5						
A-2:immeraw 202870	5						
D.Wymer 209947	5						

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420621	102						
542191/78289	102						
52947/75819	51						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type PORT COLLAR Set At 3221
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

MATERIALS			
Treat Fluid	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			

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	10-18-00	10-18-00	10-18-00	10-18-00
TIME	1000	1300	1330	1620

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	4	15.5	5 1/2			
Liner						
Liner						
Tbg/D.P.	4	4.7	2 3/8	KB	3221	
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
TOTAL		TOTAL		

ORDERED _____ HYDRAULIC HORSEPOWER Avail. _____ Used _____
 TREATED _____ AVERAGE RATES IN BPM Disp. _____ Overall _____
 FEET _____ CEMENT FEET IN PIPE Reason _____

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	25	pt midcon	B	28 CC 1/4 floccul	5.47	10
	150	pt midcon	B	28 CC 1/4 floccul	3.23	11.1

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp (BBI) Gal 12.5
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - (BBI) 24.3 L.C. 867 C
 Total Volume Gal - BBI _____

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____
 THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER'S REPRESENTATIVE SIGNATURE
Claude Cercono



HALLIBURTON

CONFIDENTIAL JOB LOG

ORDER NO. 70006

TICKET #	TICKET DATE
737165	10/18/03
BDA / STATE	COUNTY
K3	
PSL DEPARTMENT	
CUSTOMER REP / PHONE	
API / UWI #	
JOB PURPOSE CODE	

ORIGINAL

REGION	COUNTRY
North America	
MBU ID / EMP #	EMPLOYEE NAME
1001 10000	JOHN WOODRUFF
LOCATION	COMPANY
WELL #	ADAMANTO PETROLEUM
TICKET AMOUNT	WELL TYPE
1127.00	01
WELL LOCATION	DEPARTMENT
11 1/2 ACRES	CEMENT
LEASE / WELL #	SEC / TWP / RNG
11 1/2 ACRES A-1	

CONFIDENTIAL

DEC 8 2003

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
J. Gordon 10384	5						
A. J. ...	5						
D. ...	5						

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1300							JOB READY
	1600							CALLED OUT FOR JOB
	1300							PUMP TRUCK + BULK CMT ON LOCATION WANT PRE JOB SITE ASSESSMENT - SPOT EQUIPMENT
	1331					1500	150	HOOK UP TO 2 3/8 TBO + ANNULUS - TEST PUMP LINES
	1337	3.5				300		START PUMPING TREATED WATER TO CIRCULATE OIL OUT OF HOLE 300 pumped 85 BBLs - SHUT DOWN CLOSE ANNULUS
	1358					1500	1500	PRESSURE TEST TO 1500 LB/PSI - HOLDING
	1403		100			360	300	SPOT 1 SK SAND ON TOP OF BRIDGE PLUG AT 3400 SHUT DOWN WAIT ON SAND TO FALL 15' MIN PULL TBO TO 3122' OPEN PORT COLLAR
	1447	3.5	15			1300	660	ESTABLISH CIRCULATION
	1458	3.5				650		START MIXING 15 SKS LEAD CMT AT 10 LB/GAL
	1503	3.5				650		START MIXING 150 SKS TAL CMT AT 11.1 LB/GAL
	1528	3.5				700		START DISPLACING SHUT DOWN RUN 1.5 STC - PURGE OUT SHUT DOWN
	1542	3.5	16.0			9400		RUN IN + CIRCULATE SAND OFF BRIDGE PLUG
	1609		18					
	1620							(JOB COMPLETE)
								THANK YOU FOR CALLING HALLIBURTON
								WOODY ECKELW

RELEASED

IAN 11 4 2005

FROM CONFIDENTIAL

Comments:

Fluid Systems:

Cement			
100 sks Class C with 0.3% D167 ON THE SIDE SD			
Density:	14.8 lb/gal	Thickening Time:	
Yield:	1.32 ft ³ /sk	Viscosity:	cp
H2O Mix:	6.32 gal/sk	Break Time:	
H2O:	632 gal	Eq. Sack Weight:	94 lb
Dowell Code	Conc/ Amount	Total Quantity	
D167	0.3 % BWOB	28.2	
D903	94 lbs/sk	9400	

P.O. Box 362 • Hays, Kansas 67601

DEC 18 2000 No 13034

Test Ticket

CONFIDENTIAL

Well Name & No. HJV Winter A #1 Test No. 1 Date 8-31-00
 Company Anadarko Petroleum Corp. Zone Tested Marmaton
 Address P.O. Box 351 Liberal KS. 67905-0351 Elevation 3046 KB 3035 GL
 Co. Rep / Geo. Jim Barlow Cont. Norseman #3 Est. Ft. of Pay Por. %
 Location: Sec. 1 Twp. 28^S Rge. 34^W Co. Haskell State KS
 No. of Copies Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 4760 - 4773 Initial Str Wt./Lbs. 90,000 Unseated Str Wt./Lbs. 100,000
 Anchor Length 13' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 110,000
 Top Packer Depth 4755 Tool Weight 1,800
 Bottom Packer Depth 4760 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 4773 Wt. Pipe Run Drill Collar Run 630' (7)
 Mud Wt. 9.0 LCM 4# Vis. 42 WL 8.8 Drill Pipe Size 4 1/2" XH Ft. Run 4123' (44)
 Blow Description IF: Weak surface blow built to 6"
ISI: No return blow
FF: Weak surface return in 5 mins. built to 2"
FSI: No return blow

Recovery — Total Feet 550 GIP Ft. in DC 550' Ft. in DP
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. 550' Feet Of Salt Water %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 126° °F Gravity °API D@ °F Corrected Gravity °API
 RW .10 @ 70° °F Chlorides 80,000 ppm Recovery Chlorides 900 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	2323	2368		3246	2330 (8-30)
(B) First Initial Flow Pressure	83	27	PSI	(depth) 4762	T-Started 0121
(C) First Final Flow Pressure	104	131	PSI	Recorder No. 13339	T-Open 0402
(D) Initial Shut-In Pressure	1391	1418	PSI	(depth) 4768	T-Pulled 0832
(E) Second Initial Flow Pressure	176	141	PSI	Recorder No. <u> </u>	T-Out 1100
(F) Second Final Flow Pressure	249	282	PSI	(depth) <u> </u>	T-Off Location 1200
(G) Final Shut-in Pressure	1401	1420	PSI	Initial Opening 30	Test <u> </u>
(Q) Final Hydrostatic Mud	2293	2287	PSI	Initial Shut-in 60	Jars X

Final Flow 60 Safety Joint X
 Final Shut-in 120 Straddle
 Circ. Sub X N/C
 Sampler X
 Extra Packer
 Elec. Rec. X
 Mileage 67
 Other
 TOTAL PRICE \$

TRILLOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Jim Barlow
 Our Representative Rod Steinbrink

RELEASED

JAN 14 2005

FROM CONFIDENTIAL

CONFIDENTIAL

KCC

ORIGINAL

DEC 18 2000

CONFIDENTIAL

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

RELEASED

JAN 04 2005

FLUID SAMPLER DATA

FROM CONFIDENTIAL

Ticket No. 13034 Date 8-31-00
 Company Name Anadarko Petroleum Corp. Cont Norseman #3
 Lease HJV Winter A #1 Test No. #1 Marmaton
 County Haskell KS. Sec. 1 Twp. 28^S Rng. 34^W

SAMPLER RECOVERY

Gas _____ ML
 Oil _____ ML
 Mud _____ ML
 Water 4,000 ML
 Other _____ ML
 Pressure 300[#] PSI
 Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 900 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 42
 Mud Weight 9.0
 Filtrate 8.8
 Other LCM 4#/bbl

SAMPLER ANALYSIS

Resistivity .10 ohms @ 70^o F
 Chlorides 80,000 ppm.
 Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
 Resistivity .10 ohms @ 75 F
 Chlorides 75,000 ppm.

MIDDLE

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM

Resistivity .10 ohms @ 70^o F
 Chlorides 80,000 ppm.