

ORIGINAL

FORM MUST BE TYPED

RECEIVED

SIDE ONE

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

12-3-2001
WICHITA

Operator: License # 4549
Name: ANADARKO PETROLEUM CORPORATION
Address 701 S. TAYLOR, SUITE 400

City/State/Zip AMARILLO, TEXAS 79109

Purchaser: ANADARKO ENERGY SERVICES

Operator Contact Person: JOHN VIGIL

Phone (806) 457-4600

Contractor: Name: MURFIN DRILLING

License: 30606

Wellsite Geologist:

Designate Type of Completion
X New Well Re-Entry Workover

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

If Workover:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD
Plug Back PBDT
Commingled Docket No.
Dual Completion Docket No.
Other (SWD or Inj?) Docket No.

7-31-2001 8-10-2001 8-31-2001
Spud Date Date Reached TD Completion Date

API NO. 15- 189-22394 -00-00

County STEVENS

APPX: E
E/2 - E/2 - SW - NE Sec. 6 Twp. 33S Rge. 36 X W

1980 Feet from X (circle one) Line of Section

1425 Feet from X (circle one) Line of Section

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

Lease Name HJV CORNELL UNIVERSITY "B" Well # 1

Field Name WALKEMEYER

Producing Formation MORROW

Elevation: Ground 3059.0 KB

Total Depth 6510 PBDT 6224

Amount of Surface Pipe Set and Cemented at 1757 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content 1200 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

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 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

Title ENGINEERING TECHNICIAN III Date

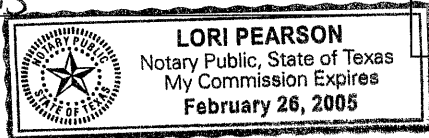
Subscribed and sworn to before me this 28 day of November

Notary Public Lori Pearson

Date Commission Expires 2/26/05

K.C.C. OFFICE USE ONLY 12-05-01
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)



SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HJV CORNELL JUNIVERSITY "B" Well # 1

Sec. 6 Twp. 33S Rge. 36 East County STEVENS
 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 type="checkbox"/> Yes <input checked="" 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, DIL, CNL-LDT, ML, SONIC.</u>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>B/STONE CORRAL</td> <td>1730</td> <td></td> </tr> <tr> <td>CHASE</td> <td>2597</td> <td></td> </tr> <tr> <td>COUNCIL GROVE</td> <td>2880</td> <td></td> </tr> <tr> <td>WABAUNSEE</td> <td>3290</td> <td></td> </tr> <tr> <td>HEEBNER</td> <td>4154</td> <td></td> </tr> <tr> <td>LANSING</td> <td>4280</td> <td></td> </tr> <tr> <td>KANSAS CITY</td> <td>4604</td> <td></td> </tr> <tr> <td>MARMATON</td> <td>4965</td> <td></td> </tr> <tr> <td>CHEROKEE</td> <td>5212</td> <td></td> </tr> <tr> <td>MORROW</td> <td>5674</td> <td></td> </tr> <tr> <td>CHESTER</td> <td>6084</td> <td></td> </tr> <tr> <td>STE. GENEVIEVE</td> <td>6250</td> <td></td> </tr> <tr> <td>ST. LOUIS</td> <td>6378</td> <td></td> </tr> </table>	Name	Top	Datum	B/STONE CORRAL	1730		CHASE	2597		COUNCIL GROVE	2880		WABAUNSEE	3290		HEEBNER	4154		LANSING	4280		KANSAS CITY	4604		MARMATON	4965		CHEROKEE	5212		MORROW	5674		CHESTER	6084		STE. GENEVIEVE	6250		ST. LOUIS	6378	
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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"	23.0	1757	P+ MIDCON/ P+	465/100	3%CC, .1%FWCA, 1/4#/SK PF/2%CC, 1/8#/SK PF.
PRODUCTION	7-7/8"	5-1/2"	15.5	6509	50/50 POZ/ 50/50 POZ.	25/210	10%SALT, .75%H322, 1/8#/SK PF/SAME.

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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
4	6453-57, 6380-85, CIBP @ 6320.	NONE.
4	6018-28, 5971-82.	FRAC:44,000 GAL FOAM & 87,000# 20/40 SD. 5971-6028 (OA)

TUBING RECORD	Size 2-7/8"	Set At 5945	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 9-10-2001		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf 950	Water Bbls.	Gas-Oil Ratio 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 5971-6028 (OA)



JOB SUMMARY

SALES ORDER NUMBER 1439462	TICKET DATE 08/02/01
BDA / STATE KS	COUNTY STEVENS
PSL DEPARTMENT Cementing Services	
CUSTOMER REP / PHONE JOHN VIGIL	
API/UWI #	
SAP BOMB NUMBER 7521	Description Cement Surface Casing
HES FACILITY (CLOSEST TO WELL SITE) LIBERAL	

REGION NORTH AMERICA LAND	COUNTRY MEXICO CONTINENT USA
MBU ID / EMPL # MCLI0110 106328	H.E.S. EMPLOYEE NAME NICK KORBE
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORP.
TICKET AMOUNT \$15,349.35	WELL TYPE GAS
WELL LOCATION 4E, 3N OF HUGOTON	DEPARTMENT CEMENT
LEASE NAME HJV CORNEL UNIVERSITY	Well No. B-1
	SEC / TWP / RNG 6-33S-36W

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Korbe, N 106328	12.0	Lopez, J 198514	12.0	
King, K 105742	12.0			
WHITE, L 232712	12.0			
RAUL	12.0			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
421270	64			
54038/77941	64			
10244148/6610	18			
10240236/10240245	18			

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
	08/01/2001	08/01/2001	08/02/2001	08/02/2001
Time	1930	2330	845	1000

Type and Size	##	Qty	Make
Float Collar	INSERT	1	HALCO
Float Shoe			HALCO
Centralizers	S-4	4	HALCO
Top Plug	5-W	1	HALCO
HEAD			
Limit clamp			
Weld-A		1	HALCO
Guide Shoe	TEXAS	1	HALCO
BTM PLUG			

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing	NEW	24.0	8 5/8	0	1,775	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole						Shots/Ft.
Perforations						
Perforations						
Perforations						

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			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/1	0.5	8/2	1.0	SURFACE PIPE
8/2	11.5			
Total	12.0	Total	1.0	

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM Disp.	Overall
Feet 45	Cement Left in Pipe Reason	SHOE JOINT

Cement Data							
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
LEAD	465	MIDCON C	BULK	3%CC, .1%FWCA, 1/4%POLYFLAKE	17.89	2.92	11.40
TAIL	100	PREM. PLUS	BULK	2%CC, 1/8# POLYFAKE	6.30	1.34	14.8

Summary			
Circulating Breakdown	Displacement	Preflush:	BBI
Lost Returns	MAXIMUM	Load & Bkdn:	Gal - BBI
Cmt Rtn#Bbl	Actual TOC	Excess /Return	BBI
Average	Frac. Gradient	Calc. TOC:	
Shut In: Instant	5 Min. _____ 15 Min. _____	Treatment:	Gal - BBI
		Cement Slurry	BBI
		Total Volume	BBI

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____
 SIGNATURE _____

HALLIBURTON		JOB SUMMARY		SALES ORDER NUMBER 1457706	TICKET DATE 08/11/01
REGION NORTH AMERICA LAND		COUNTRY USA		BDA / STATE KS.	COUNTY STEVENS
MBU ID / EMPL # MCL 10104 / 105848		H.E.S. EMPLOYEE NAME JOHN WOODROW		PSL DEPARTMENT Cementing Services	
LOCATION LIBERAL, KS.		COMPANY ANADARKO PETROLEUM		CUSTOMER REP / PHONE BILL GLICK 806-679-4782	
TICKET AMOUNT \$9,567.57		WELL TYPE GAS		API/LWI # 15-189-22394	
WELL LOCATION HUGOTON		DEPARTMENT CEMENT		SAP BOMB NUMBER 7523	Description Cement Production Casing
LEASE NAME HJV CORNELL UNIVERSITY		Well No. B-1	SEC / TWP / RNG 6-33S-36W	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL, KS.	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Woodrow, J 105848		ROdriguez, S 230014		
Arnett, J 226567				

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
420621 P / U	50	10244148 / 6610	5	
54038 / 77941	50			

Form. Name _____ Type: _____
 Form. Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth 6511

Date	Called Out	On Location	Job Started	Job Completed
	08/11/01	08/11/01	08/11/01	08/11/01
Time	1100	1400	2201	2300

Type and Size	Qty	Make
Float Collar INSERT 5 1/2	1	H
Float Shoe		
Centralizers REG	10	O
Top Plug 5-W	1	
HEAD P/C	1	W
Limit clamp		
Weld-A	1LB	C
Guide Shoe REG	1	
BTM PLUG		O

New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing	New/Used	15.5#	5 1/2		KB	6,523	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

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 _____		
Other _____		


Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/11	10.0	8/11	1.5	
Total	10.0	Total	1.5	

Ordered _____	Hydraulic Horsepower Avail. _____	Used _____
Treating _____	Average Rates in BPM Disp. _____	Overall _____
Feet 14	Cement Left in Pipe Reason _____	SHOE JOINT

Cement Data								
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal	
1	25	50/50 POZ H	Bulk/Sks	10% SALT-.75% HALAD-322-1/8# POLYFLAKE	41.14	6.18	10.00	
2	235	50/50 POZ H	Bulk/Sks	10% SALT-.75% HALAD-322-1/8# POLYFLAKE	5.66	1.28	14.4	

Summary					
Circulating Breakdown _____	Displacement _____	Preflush: BBI _____	BBI _____	Type: FRESH WATER	
_____	MAXIMUM _____	Load & Bkdn: Gal - BBI _____	Gal - BBI _____	Pad:Bbl -Gal _____	155
Average Shut In: Instant _____	Frac. Gradient _____	Treatment: Gal - BBI _____	BBI _____	Disp:Bbl _____	
_____	5 Min. _____	Cement Slurry _____	BBI _____		
_____	15 Min _____	Total Volume _____	BBI _____		
					86.00

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____
 SIGNATURE _____

 HALLIBURTON		JOB LOG		TICKET # 1457706	TICKET DATE 08/11/01
REGION NORTH AMERICA LAND		NWA / COUNTRY USA		BDA / STATE KS.	COUNTY STEVENS
MBU ID / EMPL # MCL I0104 / 105848		H.E.S EMPLOYEE NAME JOHN WOODROW		PSL DEPARTMENT Cementing Services	
LOCATION LIBERAL, KS.		COMPANY ANADARKO PETROLEUM		CUSTOMER REP / PHONE BILL GLICK 806-679-4782	
TICKET AMOUNT \$9,567.57		WELL TYPE GAS		API/UWI # 15-189-22394	
WELL LOCATION HUGOTON		DEPARTMENT CEMENT		JOB PURPOSE CODE Cement Production Casing	
LEASE NAME HJV CORNELL UNIVE		Well No. B-1	SEC / TWP / RNG 6-33S-36W	HES FACILITY (CLOSEST TO WELL #) LIBERAL, KS.	

HES EMP NAME/EMPL # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMPL # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMPL # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMPL # (EXPOSURE HOURS)	HRS
Woodrow, J 105848		ROdriguez, S 230014					
Arnett, J 226567							

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate		Press.(PSI)		Job Description / Remarks
				N2	CSG.	CSG.	Tbg	
	1500							JOB READY
	1100							CALLED OUT FOR JOB
	1400							PUMP TRUCK & BULK CMT. ON LOCATION
	1410							PRE JOB SITE ASSESMENT / SPOT EQUIP/ RIG UP
	1530							DRILL PIPE LAYED DOWN
								LAY DOWN RH & MH
								HAVE PRE JOB SAFETY MEETING
	1645							START RUNNING 5 1/2 CSG. & FLOAT EQUIP
	2030							CASING ON BOTTOM (6523 FT.)
	2045							HOOK UP 5 1/2 P/C & CIRC. IRON
	2100							START CIRCULATING WITH RIG PUMP
	2130							PLUG RH & MH WITH 25 SKS CMT.
	2200							THROUGH CIRCULATING/ HOOK UP TO PUMP TRUCK
								(JOB PROCEDURE)
	2201					3000		TEST PUMP & LINES
	2205	6.0	27.5			0-280		PUMP 25 SKS LEAD CMT @10#/GAL
	2210	6.0	48.0			250		MIX 210 SKS TAIL CMT. @ 14.4#/GAL
	2225							THROUGH MIXING CMT. / SHUT DOWN
	2224							RELEASE PLUG / CLEAN PUMP & LINES
	2230	6.0						START DISPLACING WITH 4% KCL WATER
						700		MAX LIFT PRESSURE BEFORE LANDING PLUG
	2300		157.5			3000		PLUG DOWN / RELEASE FLOAT
								FLOAT HELD
								THANK YOU FOR CALLING HALLIBURTON !!!!!!!
								(WOODY & CREW)
								