

FORM MUST BE TYPED

SIDE ONE

ORIGINAL

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

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO TRADING COMPANY

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: N/A

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 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 PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11-21-96 11-23-96 12-20-96
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21469-00-00

County MORTON

NW - NW - SE - NW Sec. 30 Twp. 34 Rge. 39 X E
W

1390 Feet from (circle one) Line of Section

1390 Feet from X (circle one) Line of Section

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

Lease Name LITTELL "A" Well # 2H

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 3332.0 KB --

Total Depth 3000 PBTD 2924

Amount of Surface Pipe Set and Cemented at 569 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan APP. 1, 3-20-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content NA ppm Fluid volume 400 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. S38 Rge. _____ E/W

County _____ Docket No. _____

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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 David W. Kapple
DAVID W. KAPPLE

Title DIVISION DRILLING ENGINEER Date 2/14/97

Subscribed and sworn to before me this 14th day of February
19 97.

Notary Public L. Marc Harvey

L. MARC HARVEY
Notary Public - State of Kansas
My Appl. Expires 6-12-99

Date Commission Expires _____

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)

ORIGINAL

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name LITTELL "A" Well # 2H

Sec. 30 Twp. 34 Rge. 39 [] East [x] West County MORTON

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 [x] No (Attach Additional Sheets.)
Samples Sent to Geological Survey [] Yes [x] No
Cores Taken [] Yes [x] No
Electric Log Run [x] Yes [] No (Submit Copy.)
List All E.Logs Run: CBL-GR.
Log Formation (Top), Depth and Datums [] Sample
Name Top Datum
GLORIETTA 1282-1454
B/CIMARRON ANHY. 1744
HERRINGTON 2574
KRIDER 2600
WINFIELD 2664
TOWANDA 2716

CASING RECORD
Report all strings set-conductor, surface, intermediate, production, etc.
Table with columns: 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.

ADDITIONAL CEMENTING/SQUEEZE RECORD
Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

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
Table with columns: Shots Per Foot, PERFORATION RECORD, Acid, Fracture, Shot, Cement Squeeze Record, Depth.

TUBING RECORD
Size Set At Packer At Liner Run [] Yes [x] No
Date of First, Resumed Production, SWD or Inj. FIRST: 1-7-96 Producing Method [x] Flowing [] Pumping [] Gas Lift [] Other (Explain)
Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: [] Vented [x] Sold [] Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION: [] Open Hole [x] Perf. [] Dually Comp. [] Commingled [] Other (Specify)
Production Interval: 2576-2730 (OA)

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER: 03-12-8774
DATE: 11-21-96
STAGE: DS DISTRICT: ULYSSES, KS.

DS-493A PRINTED IN U.S.A.

WELL NAME AND NO. Littell A-2H		LOCATION (LEGAL) Sec. 30-34s-39w		RIG NAME Chap Pump #8	
FIELD POOL Hepston		FORMATION Morton		WELL DATA: BIT SIZE 2 7/8 CSG/Liner Size 1 3/8	
COUNTY/PARISH Morton		STATE Ks.		TOTAL DEPTH 370 WEIGHT 2.4	
NAME Amadeco Petroleum Corp		API NO.		APPROT <input type="checkbox"/> CABLE <input type="checkbox"/> FOOTAGE 574	
AND				MUD TYPE Grade GRADE 33.8	
ADDRESS				MUD DENSITY 4.5 LESS FOOTAGE SNGT JOINTS: 45	
ZIP CODE				MUD VISC. 330 Disp. Capacity 330	
SPECIAL INSTRUCTIONS				NOTE: Include Footage From Ground Level To Head In Disp. Capacity	

ORIGINAL

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		LIFT PRESSURE 236 PSI		CASING WEIGHT - SURFACE AREA (3.14 x R ²)	
PRESSURE LIMIT: PSI		BUMP PLUG TO 810 PSI		ROTATE RPM RECIPROCATATE FT No. of Centralizers 4	
HEAD & PLUGS		<input type="checkbox"/> T&G <input type="checkbox"/> D.P.		SQUEEZE JOB	
<input type="checkbox"/> Double <input type="checkbox"/> Single		<input type="checkbox"/> WEIGHT		TOOL TYPE	
<input type="checkbox"/> Swage <input type="checkbox"/> GRADE		<input type="checkbox"/> THREAD		TAIL PIPE: SIZE DEPTH	
TOP OR GW <input type="checkbox"/> NEW <input type="checkbox"/> USED		BOT OR OW DEPTH		TUBING VOLUME Bbls	
CASING VOL. BELOW TOOL		TOTAL		ANNUAL VOLUME Bbls	

TIME	PRESSURE		VOLUME PUMPED bbl		JOB SCHEDULED FOR TIME DATE			ARRIVE ON LOCATION TIME DATE	LEFT LOCATION TIME DATE	SERVICE LOG DETAIL
	T&G OR O.P.	CASING	INCREMENT	QUM	INJECT RATE	FLUID TYPE	FLUID DENSITY			
1837	1000									PREJOB SAFETY MEETING PSI test
1839	0		10		5.7	H2O				start H2O ahead
1841	170		22.5		5.7	cmf	11.1			start lead cmf.
1848	150		36		5.7	cmf	11.1			PSI check
1852	100		23.8		4	cmf	14.8			start tail cmf.
1855	190		15		5.7	cmf	14.8			PSI check
1858	0									shutdown, drop top plug
1900	0		33.6		5.8	H2O				start displacement
1902	90		10		5.8	H2O				PSI check
1903	140		20		5.8					" "
1904	180		25		5.8					cmf to surface
1905	180		27		2					lower rate
1906	115		31		2					PSI check
1907	810		34		2					bump top plug
1908										bleed psi check float

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REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED		
			CLASS	ADDS	ADDS	ADDS	BBLs	DENSITY	
1.	110	3.20	class C	+ 3% D79	+ 2% cacl ₂	+ 2% D46	+ 4% D29	6.1	11.1
2.									
3.	100	1.34	class C	+ 2% cacl ₂	+ 4% D29			23.8	14.8
4.									
5.									
6.									

BREAKDOWN FLUID TYPE		VOLUME		DENSITY	PRESSURE	MAX. 1650 PSI
<input type="checkbox"/> HESITATION SO.		<input type="checkbox"/> RUNNING SO.		CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
BREAKDOWN		PSI	FINAL	PSI	DISPLACEMENT VOL.	23.4 Bbls
Washed Thru Perfs. <input type="checkbox"/> YES <input type="checkbox"/> NO		TO		FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE
PERFORMANCES		TO		TO	CUSTOMER REPRESENTATIVE: Damaso Castillo	
					DS SUPERVISOR: James Esquivel	

CEMENTING SERVICE REPORT

Schlumberger
Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 8262	DATE 11-23-95
STAGE 1	DS 03
DISTRICT 12	

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO. LITTELL A24	LOCATION (LEGAL) SEC. 30-345-794	RIG NAME Cherokee 8
FIELD POOL Rugger	FORMATION Chase	WELL DATA: BIT SIZE 7 3/4 CSQ/Uliner Size 5 1/2
COUNTY/PARISH MARTON	STATE KS	TOTAL DEPTH 2000 WEIGHT 16.6
NAME Quadracko	API NO.	FOOTAGE 2000 ORIGINAL
AND		MUD TYPE GRADE
ADDRESS		THREAD 8 R R
		MUD DENSITY 2.925 LESS FOOTAGE SHOE JOINTS
		MUD VISC. 20.0 Disp. Capacity

NOTE: Include Footage From Ground Level To Head in Disp. Capacity

Floor	TYPE	DEPTH	Stage Tool	TYPE	DEPTH
	auto fill 2.25	275			
SHOE	TYPE	DEPTH		TYPE	DEPTH
	cont. w/obc	2000			

SPECIAL INSTRUCTIONS
**Boylegants 5 1/2" paper
instructions**

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE **1950** PSI CASING WEIGHT & SURFACE AREA (3.14 x R²)

PRESSURE LIMIT **2800** PSI BUMP PLUG TO **1170** PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers **21**

Head & Plugs T&G D.P. SQUEEZE JOB

Double Single Swage Knockoff

SIZE WEIGHT GRADE THREAD TAIL PIPE: SIZE DEPTH TUBING VOLUME CASING VOL: BELOW TOOL TOTAL ANNUAL VOLUME

ARRIVE ON LOCATION TIME: **1:00** DATE: **11-23** LEFT LOCATION TIME: DATE:

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED JOB			ARRIVE ON LOCATION		LEFT LOCATION	
	T&G OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
2126	1510		X			420	11.3				
2121	370	8	X		5.7	11	11				
2122	370	10	8		5.7	420	11				
2124	290	18	18		5.7	420	11				
2127	400	96	30		5.7	cont	11.1				
2144	170	44	126		5.7	cont	12.8				
2151	160		170			420	11.3				
2156	100		X		6.5	11	11				
2206	800		60		1.5	11	11				
2208	560		65		1.5	11	11				
2215	1670		71		1	11	11				
2216											

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REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLs.	DENSITY
1.	170	323	C + 3% D-29 + 0.2% P-46 + 2% S-1 + 1/2" D-29	96	11.1
2.					
3.	130	2	C + 3% D-29 + 0.2% P-46 + 2% S-1 + 1/2" D-29	49	12.9
4.					
5.					
6.					

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. **1170** MIN. **100**

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO **5** Bbls.

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **71** Bbls. TYPE OF WELL OIL GAS STORAGE BRINE WATER WILDCAT **85K.S**

Washed Thru Parts YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **Romero** DS SUPERVISOR **Reiferman**