

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

**CONFIDENTIAL**

**ORIGINAL**

Operator: License # 30604  
Name: Raydon Exploration, Inc.  
Address: 9400 N. Broadway, Ste. 400  
City/State/Zip: Oklahoma City, OK 73114 **KCC**  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Keith Hill **MAR 03 2003**  
Phone: (620) 624-0156  
Contractor: Name: Big A Drilling **CONFIDENTIAL**  
License: 31572  
Wellsite Geologist: Ed Grieves

API No. 15 - 175-21887-0000  
County: Seward  
NW NE NW Sec. 28 Twp. 34 S. R. 31  East  West  
505 feet from S / (N) (circle one) Line of Section  
1650 feet from E / (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE (NW) SW  
Lease Name: Max Well #: 1-28

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/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_

<u>12-05-02</u>	<u>12-20-02</u>	<u>2-20-03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

Field Name: Wildcat  
Producing Formation: Chase  
Elevation: Ground: 2682' Kelly Bushing: 2694'  
Total Depth: 6450' Plug Back Total Depth: 5257  
Amount of Surface Pipe Set and Cemented at 1665 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**  
*(Data must be collected from the Reserve Pit)* **Paid**  
Chloride content 7000 ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
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 of 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: [Signature]  
Title: Agent Date: 3-03-03  
Subscribed and sworn to before me this 3rd day of March,  
2003  
Notary Public: [Signature]  
Date Commission Expires: \_\_\_\_\_

NOTARY PUBLIC, State of Kansas  
Seward County  
**HELEN M. SMITH**  
My Appt. Exp. 3-5-2003

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Raydon Exploration, Inc. Lease Name: Max Well #: 1-28  
 Sec. 28 Twp. 34 S. R. 31  East  West County: Seward

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> 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 <i>(Submit Copy)</i> List All E. Logs Run:  Spectral Density Dual Spaced Neutron II Log High Resolution Induction Log Microlog	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Chase 2611 Council Grove 2977 Base Heebner 4368 Cherokee 5417 St. Louis 6307
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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#	1665'	Midcon PP	365	3%cc, 1/2# flocc
					Premium Plu	150	1/4# floccle
Production	7-7/8"	4-1/2"	10.5	5283'	DV Tool	at 3076'	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	5283-4000	Scavenger	25	10% cc, 10% salt, 5# gilsonite, .6% HALAD-322, .25%
	3076-2280	Scavenger	25	10% cc, 10% salt, 5% gilsonite, .6% HALAD-322, .25%

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	5208-5220	Acidized with 2000 gal 15# FE acid with	additives
	" "	Frac with 4000 gal 20% FE acid and 1652	
	CIBP at 5200'	gal Water Frac C	
4	4562-4568' CIBP at 4550'	Acidized with 500 gal 15% FE acid with	additives
4	2612-2618'	Acidized with 750 gal 7-1/2% FE acid with	additives

TUBING RECORD		Size	Set At	Packer At	Liner Run	Frac with 9000 gal 10# Water	
N/A					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Frac	G
Date of First, Resumed Production, SWD or Enhr.			Producing Method				
			<input 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	Water Bbls.	Gas-Oil Ratio	Gravity		

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

# HALLIBURTON JOB SUMMARY

SALES ORDER NUMBER **2173581** TICKET DATE **12/06/02**

REGION <b>Central Operations</b>	NWA / COUNTRY <b>Mid Continent/USA</b>	BDA / STATE <b>MC/Ks</b>	COUNTY <b>MEADE</b>
MBU ID / EMPL # <b>MCLIO103 106304</b>	H.E.S. EMPLOYEE NAME <b>TYCE DAVIS</b>	PSL DEPARTMENT <b>CEMENT</b>	ORIGINAL
LOCATION <b>LIBERAL</b>	COMPANY <b>RAYDON EXPLORATION</b>	CUSTOMER REP / PHONE <b>KEITH HILL 620-629-0394</b>	
TICKET AMOUNT <b>\$7,599.98</b>	WELL TYPE <b>01</b>	API/UWI # <b>15-1752-1887-0000</b>	
WELL LOCATION <b>LAND EAST LIBERAL</b>	DEPARTMENT <b>CEMENT</b>	SAP BOMB NUMBER <b>7521</b>	Cement Surface Casing
LEASE NAME <b>MAX</b>	Well No. <b>1-28</b>	SEC / TWP / RNG <b>28 - 34S - 31W</b>	HES FACILITY (CLOSEST TO WELL SITE) <b>LIBERAL KS.</b>

**MAR 03 2003**

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HR	HR	HR
Davis, T 106304	8.0		
Harper, K 241985	8.0		
Archuleta, M 226383	8.0		
Berumen, E 267804	8.0		

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H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10219237	40			
10243558-10011278	40			
54225-77031	40			

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form. Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. **87°** Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth \_\_\_\_\_

Date	Called Out	On Location	Job Started	Job Completed
	12/6/2002	12/6/2002	12/7/2002	12/7/2002
Time	1630	1830	0030	0200

**Tools and Accessories**

Type and Size	Qty	Make
Float Collar INSERT	1	HOWCO
Float Shoe FILL TUBE	1	HOWCO
Centralizers S-4	4	HOWCO
Top Plug 5W	1	HOWCO
HEAD PC	1	HOWCO
Limit clamp	1	HOWCO
Weld-A		
Guide Shoe REG	1	HOWCO
BTM PLUG BASKET	1	HOWCO

**Well Data**

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	24#	8 5/8		KB	1,660	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			12 1/4				
Perforations							Shots/Ft.
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		

**Hours On Location**

Date	Hours
12/6	
<b>Total</b>	

**Operating Hours**

Date	Hours
12/7	
<b>Total</b>	

**Description of Job**  
Cement Surface Casing

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Ordered _____	Hydraulic Horsepower Avail. _____	Used _____
Treating _____	Average Rates in BPM Disp. _____	Overall _____
Feet <b>41</b>	Cement Left in Pipe _____	Reason _____

**SHOE JOINT**

**Cement Data**

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	365	MIDCON PP		3% CC - 1/2# FLOCELE	20.36	3.25	11.10
2	150	PREM PLUS		2% CC - 1/4# FLOCELE	6.30	1.34	14.80
3							
4							

**Summary**

Circulating _____	Displacement _____	Preflush: BBI _____	Type: _____
Breakdown _____	MAXIMUM _____	Load & Bkdn: Gal - BBI _____	Pad:Bbl -Gal _____
Lost Returns- _____	Lost Returns- _____	Excess /Return BBI _____	Calc.Disp Bbl _____
Cmt Rtrn#Bbl _____	Actual TOC _____	Calc. TOC: _____	Actual Disp. <b>103</b>
Average _____	Frac. Gradient _____	Treatment: Gal - BBI _____	Disp:Bbl _____
Shut In: Instant _____	5 Min. _____	Cement Slurry BBI _____	
	15 Min. _____	Total Volume BBI _____	<b>350.00</b>

**Frac Ring #1** \_\_\_\_\_ **Frac Ring #2** \_\_\_\_\_ **Frac Ring #3** \_\_\_\_\_ **Frac Ring #4** \_\_\_\_\_

**THE INFORMATION STATED HEREIN IS CORRECT**  
 CUSTOMER REPRESENTATIVE \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_

# HALLIBURTON JOB SUMMARY

REGION <b>Central Operations</b>	NWA / COUNTRY <b>Mid Continent/USA</b>	SALES ORDER NUMBER <b>2201200</b>	TICKET DATE <b>12/21/02</b>
MBU ID / EMPL # <b>MCLI 01100198516</b>	H.E.S. EMPLOYEE NAME <b>JASON CLEMENS</b>	BDA / STATE <b>MC/Ks</b>	COUNTY <b>SEWARD</b>
LOCATION <b>LIBERAL</b>	COMPANY <b>RAYDON EXPLORATION</b>	PSL DEPARTMENT <b>ZI</b>	<b>ORIGINAL</b>
TICKET AMOUNT <b>\$21,269.48</b>	WELL TYPE <b>oil</b>	CUSTOMER REP / PHONE <b>DON BROWN</b>	
WELL LOCATION <b>LIBERAL</b>	DEPARTMENT <b>ZI</b>	SAP BOMB NUMBER <b>7523</b>	Cement Production Casing
LEASE NAME <b>MAX</b>	Well No. <b>1-28</b>	SEC / TWP / RNG <b>28 - 34S - 30W</b>	HES FACILITY (CLOSEST TO WELL SITE) <b>LIBERAL</b>

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS
<b>Clemens, A 198516</b>	13.0		
<b>Cochran, M 217398</b>	13.0		
<b>Ferguson, R 106154</b>	13.0		

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES
<b>421269</b>	40		
<b>10251403</b>	40		
<b>10240236/10240245</b>	40		

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

**Tools and Accessories**

Type and Size	Qty	Make
MSC TYPE P	1	HES
Float Shoe		
Centralizers	20	
LD SET	1	
HEAD	1	
Limit clamp	1	
Weld-A	2	
formation pkr.	1	
BTM PLUG		

**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	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

Date	Called Out	On Location	Job Started	Job Completed
	12/21/2002	12/21/2002	12/22/2002	12/22/2002
Time	1930	2330	357	1230

**Well Data**

Casing	New/Used	Weight	Size	Grade	From	To	Max. Allow
Liner	U	10.5#	4 1/2"		KB	5,283	
Liner							
Tubing							
Drill Pipe							
Open Hole			7 7/8				
Perforations							Shots/Ft.
Perforations							
Perforations							

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/21	0.5	12/22	2.0	Cement Production Casing
12/22	12.5			
Total	13.0	Total	2.0	

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM Disp.	Overall
Feet 43	Cement Left in Pipe Reason	SHOE JOINT

**Cement Data**

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	25	PREMIUM H		10% CALSEAL - 10% SALT - 5# GILSONITE - .6% HALAD-322			
2	200	PREMIUM H		10% CALSEAL - 10% SALT - 5# GILSONITE - .6% HALAD-322 .25%D-AIF	26.16	4.23	11.00
3	25	PREMIUM H		10% CALSEAL - 10% SALT - 5# GILSONITE - .6% HALAD-322	6.06	1.47	15.00
4	200	PREMIUM H		10% CALSEAL - 10% SALT - 5# GILSONITE - .6% HALAD-322 .25%D-AIF	26.16	4.23	11.00
				10% CALSEAL - 10% SALT - 5# GILSONITE - .6% HALAD-322 .25%D-AIF	6.06	1.47	15.00

**Summary**

Circulating Breakdown \_\_\_\_\_ Displacement \_\_\_\_\_  
 Lost Returns- \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 Cmt Rtrn#Bbl \_\_\_\_\_ Lost Returns- \_\_\_\_\_  
 Average \_\_\_\_\_ Actual TOC \_\_\_\_\_  
 Shut In: Instant \_\_\_\_\_ Frac. Gradient \_\_\_\_\_  
 5 Min. \_\_\_\_\_ 15 Min. \_\_\_\_\_

Preflush: BBI \_\_\_\_\_ 10.00 \_\_\_\_\_ Type: FRESH  
 Load & Bkdn: Gal - BBI \_\_\_\_\_  
 Excess /Return BBI \_\_\_\_\_  
 Calc. TOC: \_\_\_\_\_  
 Treatment: Gal - BBI \_\_\_\_\_  
 Cement Slurry BBI \_\_\_\_\_ 142.0 \_\_\_\_\_  
 Total Volume BBI \_\_\_\_\_ 235.00 \_\_\_\_\_

Actual Disp. \_\_\_\_\_ 83 \_\_\_\_\_  
 Disp: Bbl 2N \_\_\_\_\_ 48.00 \_\_\_\_\_

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

**THE INFORMATION STATED HEREIN IS CORRECT**  
 CUSTOMER REPRESENTATIVE \_\_\_\_\_

SIGNATURE \_\_\_\_\_