

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

RECEIVED

OCT 18 2002

Need Highlighted
Info
- Cont. tickets

Operator: License # 3880'
Name: Crystal River Oil & Gas LLC
Address: PO Box 1118
City/State/Zip: Cardiff CA 92007
Purchaser: _____
Operator Contact Person: Reiner Klawiter
Phone: (760) 753 3330
Contractor: Name: Company Tools
License: _____
Wellsite Geologist: _____

API No. 15 - 09500696 ⁰⁰⁻⁰¹ KCC WICHITA
County: Kingman
N/2 NE Sec. 30 Twp. 27 S. R. 10 East West
440 - 660' feet from (N) (circle one) Line of Section
1320' feet from (E) (circle one) Line of Section

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Miles A Well #: A 4
Field Name: Cunningham
Producing Formation: KC
Elevation: Ground: _____ Kelly Bushing: _____
Total Depth: 3472' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at _____ 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.

If Workover/Re-entry: Old Well Info as follows:
Operator: Crystal River Oil & Gas
Well Name: Miles A-4
Original Comp. Date: 1934 Original Total Depth: 3472'
 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. _____

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content _____ 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.: _____

8/02 N/A 8/02
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

Sq/2 for Csg Repair

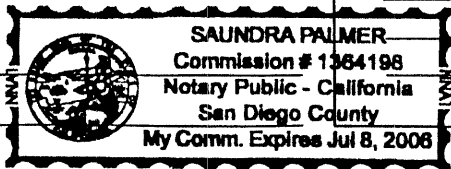
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: Manager Date: 10-14-02
Subscribed and sworn to before me this 14th day of October,
2002.

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

Notary Public: Saundra Palmer
Date Commission Expires: 7-8-06



Operator Name: _____ Lease Name: Miles A Well #: 4
 Sec. _____ Twp. _____ S. R. _____ East West County: Kingman

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 Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)
 List All E. Logs Run:

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

Sq'z for Csg. Repair

CASING RECORD <input 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	# Sacjs Used	Type and Percent Additives
Prod	9 5/8"	7" (34)		3373'		500	Comm
Liner		5 1/2" - 10V		3355'		125	Comm

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 repair	80' - 117'	Comm	150	6% NaCl (Sqz for repair)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
				Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumerd 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 _____

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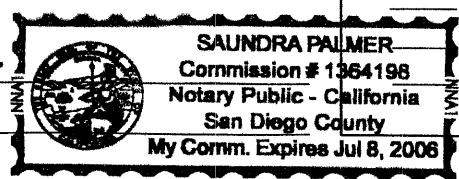
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Title: Manager Date: 10-14-02
Subscribed and sworn to before me this 14th day of October,
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Date Commission Expires: 7-8-06



KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
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TUBING RECORD Size _____ Set At _____ Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Enhr. _____ Producing Method 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 Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Sumit ACO-18.) Other (Specify) _____

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KCC WICHITA

Richard Armer, Owner

7/30/02

Miles A4 Workover Report

7/30/02 Dig out wellhead, Cut weeds back for rig.
Replace valve, order A7S head.

7/31/02 Finish Cleanup on wellhead and location for rig to move in.

8/5/02 MICT, RU to pull well

8/6/02 Rods and pump stuck in well, start stripping out well. SD to chase down stripping tools. Strip 27 rods + 18' of subs. SD

8/7/02 Pull 22" stretch, 1388' free pipe, start working tubing up and down. Work tubing until we got 3200' of free pipe stretch. Pull 38M# over, turn to right 1 turn, tubing came loose. Packer on bottom. Strip out head and change, start stripping out tubing. Made nipple to get back to 8rd thread for head. SDON

8/8/02 Replace nipple and head in well. Start stripping out well again. Install BOP as per KCC recommendation. Clutch would not hold on rig. SD and fix rig.

8/9/02 Strip rods out and PTOOH.
U-joint broke SD 2.5 hrs to fix rig.
15:45 SD. Rain and lightning.
121 rods out, 68 jts. Of tubing.

8/10/02 Finish pulling and stripping well. Found collar on bottom of tubing, packer left in well. SDON

8/12/02 Run SL in and found pk'r @ 610', RTIH, chase packer downhole, screwed on, PTOOH found 3 jts of tubing below what was left of packer. SDON

8/13/02 Rig pickup broke down, no rig crew. SD

8/14/02 Run 104 jts. Tbg. And AD-1 packer, set @ 3093' for MIT. Make nipple for top of BOP in shop.

8/15/02 RU top of BOP for tubing head.
RU water truck for MIT, Pump into holes @50 Psi, water to surface. Call for Sqz. Tools.
PT and Pk'r. out of hole. Pick up RBP, could not get packer to go. Call for P Plug. SDON

8/16/02 SD, Exhaust broke on Rig. No floorhand. Fix rig this weekend.

8/19/02 RTIH, set P Plug @ 3093', Test Plug, Plug held, start hunting holes.
Found holes from 80'-117'. SDON.

8/20/02 Strip BOP off well, install nipple and valve for cementing. Order 150 sks cement for sqz. Clear location for pump trucks and cement trucks. Dig out surf. Pipe head.

8/21/02 Mix 150 sks cement and pump through swage. 100 psi lifting press. cement cir. To surf. Clean up trucks and location, SIWH. SDON

8/22/02 Rig up power swivel for drl. Out. Company swivel would not work, hydraulics, use KFT equip. Tag cement @ 72' start drilling. Order out 4 collars for drl. Out, Lay down 4 stands for drlg. Work on rig hydraulics.

8/23/02 RU, RIH with bit, bit sub, 3 drl. Collars, Hydraulic Pump went down on rig. Work on hydraulics. Drill 30' of cement, total drilled 70', SDON

8/24/02 Drill cement to 180', Press. test casing and squeeze to 300 PSI WHP, Well held good pressure. SDON.

8/25/02 Drill cement to 185', Add 60' for test. Test well to 300 Psi for MIT, Well held. Lay down drilling equip. Release KFT. SDON

8/26/02 Lay down rods out of derrick. Work on rig hydraulics.

8/27/02 Lay down tubing out of derrick, Move rig to AU 15-3. JOB IS NOT COMPLETE, P PLUG IS STILL @ 3093'.

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