

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepening wells to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals)</small>		3 LE NMNM-03733
		6. Well Name, Allottee or Tract Name
		7. Well Agreement Name
1. Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> GAS WELL		8. Well Name and No BREECH 377
2. Name of Operator Caulkins Oil Company		9. API Well No 30-039-25(A)-00C1
3. Address of Operator (505) 632-1544 P.O. Box 340, Bloomfield, NM 87413		10. Field and Pool, Exploratory Area DAKOTA, ICE CANYON; GALLUP, MESA VERDE, PICTURED CLIFFS, CHACRA
4. Location of Well (Footage, Sec., Twp., Rgn.) 116S' F/S 102S' E.W SEC. 23-26N-7W		11. Country or Parish State Rio Arriba Co., New Mexico
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>P&A Chacra/Commingle</u>	<input type="checkbox"/> Dispose Water
13. Describe Proposed or Completed Operations		
<p>5-14-99 Rigged up.</p> <p>T.O.H. with 1 1/4" Pictured Cliffs - Chacra production tubing.</p> <p>Released packer and T.O.H. with 2 1/16" Dakota - Gallup - Mesa Verde production tubing.</p> <p>No holes found visually in either string, but both tubing strings were corroded from top of packer at 3955' to approximately 3000' indicating tubing submerged in water.</p> <p>5-17-99 T.I.H. with 2 3/8" work string, retrievable bridge plug and packer searching for hole in casing.</p> <p>Casing pressure tested to 2000# above Pictured Cliffs to surface and above Chacra to base of Pictured Cliffs - held OK.</p> <p>Set retrievable bridge plug below Chacra perforations at 3922' and packer above Chacra perforations at 3832'.</p> <p>Swabbed well to test Chacra perforations.</p> <p>Following 18 swab runs, fluid level staying at 2200' with no indication of gas</p> <p>Swabbing test indicated Chacra zone was giving up too much water to produce and should be plugged and abandoned.</p> <p>Approval to P&A zone was obtained verbally from both federal and state agencies.</p>		
(continued on page 2)		
NOTE: The format is issued in lieu of U.S. BLM Form 3160-5		BY <u>[Signature]</u>
18. I HEREBY CERTIFY THE FOREGOING IS TRUE AND CORRECT		
SIGNED: <u>Robert L. Verquer</u> ROBERT L. VERQUER		TITLE: <u>Superintendent</u> DATE: <u>June 21, 1999</u> ACCEPTED FOR RECORD
APPROVED BY: _____		TITLE: _____
CONDITIONS OF APPROVAL, IF ANY		DATE: <u>JUL 12 1999</u>
		FARMINGTON FIELD OFFICE BY <u>[Signature]</u>

OPERATOR

6-18-99

On Site Technologies, LTD.

Date: 07-Apr-99

CLIENT: Conoco, Inc.
Work Order: 9903059
Project: Ludwick LS 26 SEP

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID: LCS Soil	Batch ID: 8015DR2_S-3	Test Code: SW8015	Units: mg/Kg	Analysis Date: 3/29/99	Prep Date: 3/26/99
Client ID:	9903059	Run ID: GC-2_990329A		SeqNo: 12807	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
T/R Hydrocarbons: C10-C28	390.2	25	501.9	0	77.8% 59 126

Qualifiers: N/D - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

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- 5-18-99 Pulled 2 stands, reset packer at 3706'.
Cemented Chacra perforations 3865' - 3885' through 2 3/8" tubing with 100 sacks (116 cu. ft.) class "H" plus 2% CaCl displaced with 15.5 bbls H₂O.
Attempted to squeeze perforations for 2 hours with no success.
Cleared tubing, pulled 1 stand, reset packer at 3642'.
Cemented perforations with 50 sacks (58 cu. ft.) class "H" plus 2% CaCl displaced with 15 bbls H₂O.
Squeezed perforations, shut-in tubing with 600 psi.
Shut-in 16 hours, waiting on cement.
- 5-19-99 Released pressure from tubing.
Released packer and T.O.H. T.I.H. with tubing and 4 3/4" bit.
Tagged cement at 3751'.
Drilled out 237' of cement to 3988'.
NOTE: Drilling hard cement at 3988', retrievable bridge plug was set at 3922'. During above cementing job retrievable bridge plug slid down hole to undetermined point.
Well producing a lot of water.
- 5-20-99 T.O.H. with tubing and bit.
T.I.H. with retrievable bridge plug and packer testing casing to isolate water source.
- 5-21-99 Tests indicated that Chacra perforations were still leaking.
Set packer at 3166' below Pictured Cliffs perforations, 2986' to 3060'.
Established injection rate, 1 bbl per minute at 600#.
Cemented hole with 50 sacks (58 cu. ft.) class "H" plus 2% CaCl.
During displacement formation squeezed to 3500# with 6.5 bbls of cement inside of tubing.
Released packer and T.O.H.
- 5-24-99 T.I.H. with tubing and 4 3/4" bit.
Tagged cement at 2849' above Pictured Cliffs perforations, 2986' to 3060'.
Drilling cement from 2849' to 3220', fell through.
- 5-25-99 Continued in hole with tubing and bit. Tagged cement at 3988'.
Drilled through cement at 4243'.
Continued in hole, tagged cement at 4539'.
Drilled down and found top of retrievable bridge plug at 4659'.
Mesa Verde perforations, 4647' to 5534'.
T.O.H. with bit.

On Site Technologies, LTD.

Date: 07-Apr-99

CLIENT: Conoco, Inc.
Work Order: 9903059
Project: Ludwick LS 26 SEP

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID: 9903059-01AMS	Batch ID: 8015DR2_S-3	Test Code: SW8015	Units: mg/Kg	Analysis Date: 3/30/99	Prep Date: 3/30/99
Client ID: Center of Pit	9903059	Run ID: GC-2_990329A		SeqNo: 12825	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
T/R Hydrocarbons: C10-C28	403.2	25	501.9	0	80.3% 63 126

Qualifiers: NID - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
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5-26-99 Multiple runs with washover shoes and fishing tools.
thru Latched onto plug at 4687'.
5-28-99 T.O.H. with retrievable bridge plug.

6-1-99 Approval to commingle Pictured Cliffs with Dakota - Gallup - Mesa Verde was obtained verbally from
thru both BLM and Aztec Oil conservation Division, following required stabilized shut-in and potential test on
6-8-99 Pictured Cliffs formation.
T.I.H. with retrievable bridge plug and packer. Tested cemented Chacra perforations with 2000# - held OK.
Set retrievable bridge plug 3424' and packer at 2921'.
Acidized and balled off Pictured Cliffs perforations with 500 gallons 15% acid.
Knocked balls out of perforations.
Pumped 500 gallons 15% acid with 64,000 MSCF/N₂.
Average treating pressure 1300#, I. S.D.P. 1050#. Flowed back N₂ and acid.
Shut well in for 3 days. Shut-in pressure 530#.
3 hour calculated potential test 439 MCF/D. T.O.H. with packer and retrievable bridge plug.

6-9-99 Drilled out cement over Mesa Verde perforations from 4687' to 5398'.
thru Continued in hole with tubing. Cleaned out to 7535' below Dakota perforations.
6-15-99 T.O.H. with bit.

6-16-99 T.I.H. with retrievable bridge plug and packer.
Set retrievable bridge plug at 5720'. Set packer at 4433'.
Acidized and balled off Mesa Verde perforations with 1000 gallons 15% acid and 85,000 MSCF/N₂.
Flowed back N₂ and acid.

6-17-99 T.O.H. with retrievable bridge plug and packer.
T.I.H. with 2 3/8" production tubing to 7514'.
Flowed well over night with air package.

6-18-99 Landed 2 3/8" production tubing at 7451'.
Swabbed well in. Now flowing to clean up.

Commingling application attached.

On Site Technologies, LTD.

Date: 07-Apr-99

CLIENT: Conoco, Inc.
Work Order: 9903059
Project: Ludwick LS 26 SEP

QC SUMMARY REPORT
Sample Duplicate

Sample ID: 9903057-01BD	Batch ID: 8015DR2_S-3	Test Code: SW8015	Units: mg/Kg	Analysis Date: 3/30/99	Prep Date: 3/30/99						
Client ID: 9903059	Run ID: GC-2_990329A	SeqNo: 12826									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	Lowlimit	Highlimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	982	25	0	0	0.0%	0	0	958.6	2.4%	24	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank