Form 3160-5 (November 1994)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

CHAIDDY NOTICES AND DEDODTS ON WELLS

FORM APPI		
OMB No. 10	i04	-013
Expires July 3	31,	1996
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A SUNDKI	NOTICES AND REPORT	13 ON WELLS		H- 139/		
// Do not use this	form for proposals to	o drill or reenter a	n 6.	If Indian, Allottee	or Tribe Nam	ie
abandoned well.	Use Form 3160-3 (APD) for such proposals	s. lii	carilla Apache		
	grangger Stramen negericans, and an electric	registration between 12 december 100 Sec.		If Unit or CA/Ag		a and/or N
		46712 187E		II Ollt of CA/Ag.	recinent, mann	s allu/ol in
SUBMIT IN TRIPL	ICATE – Other instru	ictions on reverse	e/side			
1. Type of Well	A STATE OF S	(A)				
		190 MAY T		Well Name and N	Io.	
Oil Well X Gas Well	Other	[O 1 30	2			
2. Name of Operator			~ ~ ~ ~ ~ ~	carilla Apache	D 156 #2	
Elm Ridge Resources, Inc.			9.	API Well No.		
3a. Address		96. Phone No. (includ	le, area code) 3(0-039-05091		
PO Box 156 Bloomfield, NM	87413	505-632-3476	10	Field and Pool, or	Exploratory A	Area
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Descripti	(00) (45 00 62 9)	BI	anco Pictured	Cliffs	
	•	CS. LY UL, UV	·	. County or Parish,		
Sec.11-T23N-R2W				,,,		
1787 FSL X 1590 FEL			R	io Arriba, New	Mexico	
12. CHECK APPROPRIATE BOX	X(ES) TO INDICATE NAT	TURE OF NOTICE, RE	EPORT, OR OTHE	R DATA		
TYPE OF SUBMISSION	TYPE OF ACTION					
Notice of Intent	☐ Acidize	Deepen	Production (St	art/Resume)	Water Shut-O	er
Notice of litteria	Alter Casing	Fracture Treat	Reclamation	· —	Water Shared	
Subsequent Report	Casing Repair	New Construction	Recomplete		Other	
Subsequent Report	Change Plans	Rew Construction Rew Construction Rew Construction	Temporarily A			
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposa	_		
13. Describe Proposed or Completed Operation			<u> </u>			
Attach the Bond under which the work Following completion of the involved op Testing has been completed. Final Ab- determined that the site is ready for final inspe Elm Ridge Resources, Inc p	erations. If the operation results in andonment Notices shall be filed action.)	n a multiple completion or rec only after all requirements, in	completion in a new intended	erval, a Form 3160-4 e been completed, an	shall be filed on d the operator	nce has
retainer @ 3112'. Pumped 1	5 sks on top of retaine	r and 25 sks under	retainer. PLUG	2) Shot 4 hole	es @ 2870	'. Set
retainer @ 2796'. Pumped 1	2 sks of class B ceme	nt on top of retainer	r. PLUG 3) Sho	t 4 holes @ 1	528. Pumpe	ed 12
sks of cement on top of retain	iner. PLUG 4) Set cer	nent plug from 102'	to surface. Pur	nped 98 sks o	f class B c	ement.
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					70	•===
					71	YHP!
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14. I hereby certify that the foregoing	ik true and correct					
Name (Printed Typed)	, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Title			NGT0	
Amy M	ackev/		Production	n Assistant	30	-
Signature /		Date				-
	W/s	· <u> </u>	May 10	0, 2005		ĊД.
	/ THIS SPACE	FOR FEDERAL OR ST	ATE USE			
Approved by	And the second s	Title	- Latine to the throught period	Date	resident in the state of the	as automorphis Co
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Conditions of approval, if any, are attached				- t		
certify that the applicant holds legal or equi		bject lease				
which would entitle the applicant to conduct	operations increon.					

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency and the property of fraudulent statements or representations as to any matter within its jurisdiction.

KEY ENERGY PRESSURE PUMPING SERVICES

CEMENT JOB DETAIL SHEET



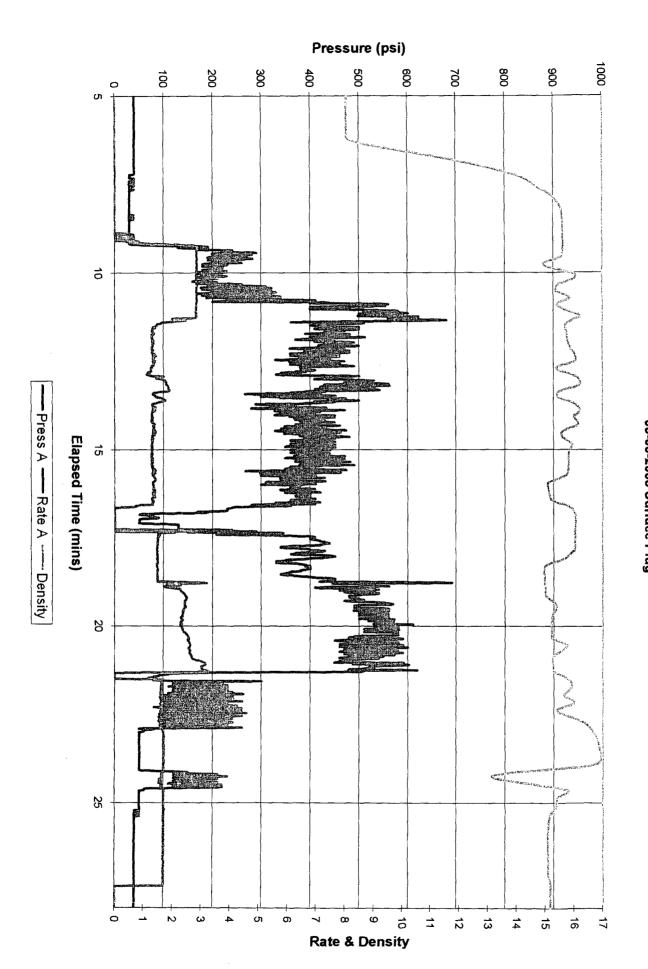
Pressure Pumping Services TYPE OF JOB: May 2, 2005 70057275 PAA CUSTOMER Elm Ridge Resources Old Gas LEASE & WELL NAME: LOCATION Sec.,TN,RW SERVICE SUP: Dean Mestas Jicarilla 156 D #2 New Mexico DRILLING CONTRACTOR & No.: Key 21 OPERATOR: COUNTY: Rio Arriba STATE PHYSICAL SLURRY PROPERTIES MATERIALS FURNISHED: TYPE OF PLUGS LIST CSG HARDWARF SOUREZE TOP WATER BBL RBI MANIFOLD BOTTOM EACH WEIGHT YIELD REQ. TIME SHIRRY MIX WATER GPS HR. MIN. CU-FT FLUID LB/GAL Catable particular and an enterior 3.2 1.89 1st plug = 15sx Class B Neat w/ 1% CaCl2 top retainer 3176'- 3112' 1.18 5.20 15,60 25 sx Class B Neat w/ 1% CaCl2 below retainer 3112-2916 15.60 1.18 5.20 5.3 3.12 1.47 2.5 2nd plug = 12sx Class B Neat w/ 1% CaCl2 top retainer 2796' - 2642' 15.60 1.18 5.20 0.00 0.00 0.00 0.00 0.00 6.48 AVAILABLE MIX WATER 200 BBL AVAILABLE DISPLACEMENT WAYER 200 BRI TOTAL WATER: COLLAR DEPTHS DOLE TRG -CSG -D P TRG -CSG -D P % EXCESS DEPTH SIZE WEIGHT TYPE DEPTH SIZE WEIGHT TYPE DEPTH SHOE FLOAT STAGE 3176 4 1/2 3176 2 3/8 4.70 100% 7 7/8 PERF DEPTHS WELLBORE FLUR SUB CHIT BEY ED DI J NICE TOP COMMECTION BRAND & TYPE DEPTH TOP BOTTON SIZE SIZE WEIGHT TYPE DEPTH 2 3/8 Produced Water 8.34 8 Round CALCULATED DISPLACEMENT VOLUME: BBL CAL. PSI CAL, MAX PS OP MAX MAX TBG. PSI MAX CASING PSI DISPLACEMENT FLUID SOURCE TO REVERSE TUBING CASING CASING TOTAL BUMP PLUG SQ. PSI RATED RATED OP TYPE WEIGHT Ria Pit Fresh Water 1,500 8.33 XPLANATION: TROUBLE SETTING TOOL, RUNNING CASING, ETC., PRIOR TO CEMENTING EXPLANATION PRESSURE RATE DETAIL PRESSURE - PSI CO, REP 2,000 BPM TEST LINES HR: MIN PIPE ANNULUS PUMPED TYPE CIRCULATING WELL RIG П 13:00 Arrive on location, safety meeting, rig-up 13:57 450 3.0 5.0 Est. Inj. Rate w/ 5.0 Bbl. H20, 3.0 Bbl/min @ 450 psi. H20 Start Cement w/ 8.4 Bbl. Slurry (40sx) 13:59 3.0 300 8.4 Start Displacement w/ 8.8 Bbl. H20 14:02 250 3.0 8.8 14:05 SD, Sting out Resume Displacement w/ 2.5 Bbl. H20 14:07 50 3.00 2.5 14:09 SD, TOH w/ tubing, rig up rig crew to reverse out tubing 16:21 200 3.0 5.0 Load hole w/ 5.0 Bbl. H20 H20 Sting in to est inj rate, NO INJ RATE, Sting out 16:23 1.300 0.5 0.5 H20 Start Cement w/ 2.5 Bbl. Slurry (12sx) 16:25 250 3.0 2.5 CEMENT Start Displacement w/ 10.2 Bbl. H20 16:27 100 3.0 10.2 H2O 16:31 SD, Rig down, leave locatio return on 05-03-2005 BUMPEL TOTAL BBI CMT PSI SPOT KEY ENERGY SERVICES REP: Dean Mestas BUMP FLOAT LEFT OF PLUG BBL. RETURNS/ TOP CUSTOMER REP. NAME: Mr. Ron Howard PLUG EQUIPMENT PUMPED REVERSED CSG. CEMENT CUSTOMER REP. SIGNATURE: 42.9

KEY ENERGY PRESSURE PUMPING SERVICES

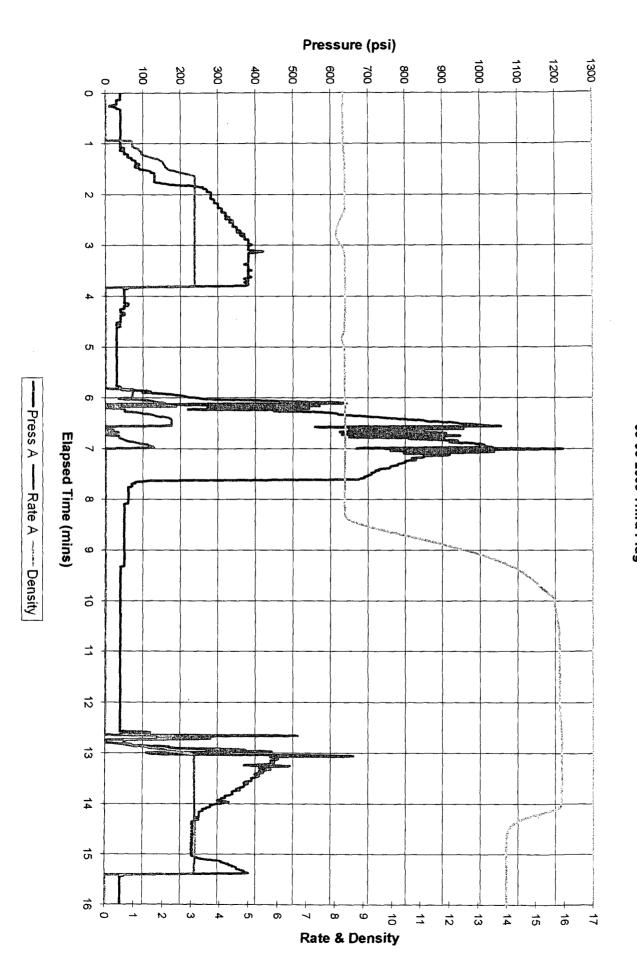
CEMENT JOB DETAIL SHEET



Pressure Pumping Services May 3, 2005 70057279 CUSTOMER: Elm Ridge Resources TYPE OF WELL LOCATION SERVICE SUP Old Gas EASE & WELL NAME: Sec.,TN,RW Dean Mestas Jicarilla 156 D#2 DRILLING CONTRACTOR & No.: Key 21 OPERATOR: COUNTY: STATE: New Mexico Rio Arriba MATERIALS FURNISHED: PHYSICAL SLURRY PROPERTIES TYPE OF PLUGS SQUEEZE TOF BBL TOP MANIFOLD ΩE SLURRY SLURRY WATER PUME BBL TIME SLURRY BOTTON EACH WEIGHT **YIELD** REQ. WATER FLUID I R/GAI CU-FT GPS HR MIN 1.89 1st plug = 15sx Class B Neat w/ 1% CaCl2 top retainer 3176'- 3112' 15.60 1.18 5.20 3 2 5.3 3.12 15.60 1.18 5.20 25 sy Class B Neat w/ 1% CaCt2 below retainer 3112-2916 2nd plug = 12sx Class B Neat w/ 1% CaCl2 top retainer Pumped on 5-02-05 2796'- 2642' 15.60 1.18 2.5 1.47 0.00 5.20 2.5 1.47 3rd plug = 12sx Class b Neat w/ 1% Cacl2 top of retainer 1528'- 1373" 15 60 1 18 5.20 20.6 12,14 4th plug = 98sx Class B Neat w 1 % CaCl2 152'- Surface 15.60 1.18 0.00 0.00 TOTAL WATER: 20.09 AVAILABLE MIX WATER 200 AVAILABLE DISPLACEMENT WATER 200 BBL COLLAR DEPTHS HOLE BG.-CSG.-D.P 18G. CSG. D.P FLOAT SIZE SIZE WEIGHT SHOE % EXCESS DEPTH WEIGHT TYPE DEPTH SIZE 1595 23/8 470 J-55 1545 7 7/8 100% 3176 4 1/2 9.50 .1-55 WELLBORE FLUID LAST CASING PKR-CMT RET-BR PL-LINER PERF DEPTHS BRAND & TYPE SIZE WEIGHT TYPE DEPTH DEPTI TOP BOTTO SIZE THREAD TYPE WEIGHT 2 3/8 8 Round Produced Water 8.34 CALCULATED DISPLACEMENT VOLUME: BBI MAX TBG. PS CASING PSI DISPLACEMENT FLUID CAL. PSI OP, MAX CASING CASING TOTAL BUMP PLUG TO REVERSE SQ. PSI RATED TYPE WEIGHT SOURCE TUBING RATED Fresh Water 8.33 Rig Pit 1.500 EXPLANATION: TROUBLE SETTING TOOL, RUNNING CASING, ETC., PRIOR TO CEMENTIN PRESSURE, RATE DETAIL EXPLANATION TIME PRESSURE - PSI CREW RATE RRI FILED FLLIID SAFETY MEETING CO REP 2,000 BPM HR: MIN PIPE ANNULUS PUMPED TYPE CIRCULATING WELL RIG WPS 8:10 Arrive on location, safety meeting, rig-up 9:18 400 3.0 10.0 Load hole w/ 10.0 Bbi H20 1,000 0.5 Sting in, Est. Inj. Rate, NO INJ. RATE 9:22 Start Cement w/ 2.5 Bbl. Shurry (12sx) 9:25 400 3.0 25 Start Displacement w/ 5.3 bbl. H20 9:27 200 3.0 5.3 9:30 SD, TOH Load hole w/ 10.0 Bbl H20. Est circulation to surface 500 10:41 2.0 10.0 Start Cement w/ 20.65 Bbl. Slurry (98sx) 10:47 350 2.0 20.6 10;59 SD, Cement to surface BUMPEC PSI TO TEST TOTAL BBL CMT. PSI SPOT KEY ENERGY SERVICES REP Dean Mestas FLOAT LEFT ON TOP PLUG BBL. RETURNS/ CUSTOMER REP. NAME: Mr. Ron Howard PLUG EQUIPMENT CEMENT PUMPED REVERSED CSG. CUSTOMER REP. SIGNATURE: ō surface



ElmRidge Resources Jicarilla 156 D #2 Surface 05-03-2005 Surface Plug



ElmRidge Resources Jicarilla 156 D #2 Nacemiento 05-03-2005 Third Plug