Form 3160-5

UNITED STATES

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FORM APPROVED

| (August 1999) | | DEPARTMENT OF THE | | | H | EUEIVE | | Expires Nov | . 1004-0135 ember 30, 2000 | |
|---|---|--|---------------------------------------|--------------------------------------|-------------------|---------------------------------------|--------------------------------|-----------------------------------|---|---------------------|
| _ | SUNDR | Y NOTICES AND RE | PORTS | ON WELLS | 2007 1 | NOV 15 PM | 1 | Serial No. 019403 | | |
| Do n aban | ot use the doned we | is form for proposals II. Use Form 3160-3 (A | to drill APD) for | | | | 1 4 | ian, Allottee | or Tribe Name | |
| | | | | | | Farmington | | | | |
| SUBM | IIT IN TRI | PLICATE - Other ins | structio | ns on revers | e siā | te' (c) _{eee} | 7. If Uni | t or CA/Agre | ement, Name and | √or No. |
| 1. Type of Well | | | · · · · · · · · · · · · · · · · · · · | | وروا | ons. | - | | | |
| Oil Well XX C | as Well | Other | | | EC 5 | UU E | | Name and No | | |
| 2. Name of Operator | | | | 82 % | | NE DA D | | Feder | a1 #3A | |
| | HYDROC | CARBONS OPER | CORP | <u> </u> | المالة المالة | 4 | 9. API V | | | |
| 3a. Address | 2622 | | | Phone Neo (inali) | 1900 | · · · · · · · · · · · · · · · · · · · | 'I | 45-3080 | 4 Exploratory Area | |
| P O BOX 4. Location of Well (F | 3638, | Midland, TX T., R., M., or Survey Descrip | | 12 9 kg 6 | · 7 | 11 01 2 | 1 _ | | · · | |
| | | L; I; Sec 14; T | | R-8W | المركز الم | 202010500 S | | y or Parish, S | esaverde late | |
| 20 miles south | | · - | | Company | | , · · . | San J | uan, N | New Mexi | co |
| 12. CF | IECK APP | PROPRIATE BOX(ES) | TO IND | ICATE NATU | RE C | OF NOTICE, RI | EPORT, O | R OTHER | DATA | |
| TYPE OF SUBMIS | SSION | TYPE OF ACTION | | | | | | | | |
| | | Acidize | Q D | eepen | | Production (Start | (Resume) | ☐ Water | Shut-Off | |
| ■ Notice of Intent | j | Alter Casing | ☐ F | racture Treat | | Reclamation | | Well I | Integrity | |
| Subsequent Report | | Casing Repair | | ew Construction | <u> </u> | Recomplete | | XOther | Complet | Lon |
| | - | Change Plans | | lug and Abandon | | Temporarily Aba | ndon | | | |
| ☐ Final Abandonmen | I Notice | Convert to Injection | P | lug Back | <u>u</u> | Water Disposal | | · | * | |
| If the proposal is to o | deepen direct ler which the n of the invol npleted. Fins | Operation (clearly state all principles or recomplete horizon work will be performed or gived operations. If the operal Abandonment Notices shall final inspection.) | stally, give provide the | subsurface location Bond No. on file | ons and with I | I measured and true BLM/BIA. Requir | e vertical des ed subseques | oths of all per nt reports sha | rtinent markers ar Ill be filed within | id zones 30 days |
| 0/19/02 RU | Hallib | urton; run cmt | log f | rom 5380' | to 3 | 3800'; WO | rig to | drlg o | ut 75' cm | : • |
| 0/22/02 MI | Franks | Well Service; | RU & 1 | NU BOP & e | quip | pt. | | | | |
| 0/23/02 PU | 3 7/8" | bit, 4-3 1/8" | DC & : | 165 jts 2 | 3/8' | " tbg; tag | btm @ | 5,445 | • | |
| 0-24-02 LD | 125 jt | s 2 3/8" tbg, 4 | -3 1/8 | B" DC; ND | BOP. | • | | | | |
| 0/25/02 Pre | ess tes | ted 4 1/2" csg | to 310 | 00 psi for | 15 | min; held | OK. | | | |
| 0/31/02 Mov | ved in | 11 - 400 bb1 fr | ac tar | nks & star | t ha | auling wtr | | | | |
| | | o each tank for (OVER) | 2% sc | olution; a | dd b | oiocide & | scale i | nhibito | or. | |
| 14. I hereby certify that the Name (Printed/Typed | | is true and correct | | 1 | | | | | | |
| · · · · · · · · · · · · · · · · · · · | | R. Gunter | | Title | | Agent | | | | |
| Signature Signature | 1.10 | Min of Sh | 1100 | Date | | 1-12-02 | | | | |
| | gice. | THIS SPACE | FOR FE | DERAL OR S | TATE | OFFICE USE | | ACCF | PTED FOR F | RECOF |

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Title

Office

farmington field

Date

Install 4 ½" 5000# frac value. RU Computalog & shot 22 – 0.37" perfs as follows:
5109','10,'23,'41,'42,'48,'49, 5252', '54,'55,'56, 5258', '93, 5300', '01,'39,'45,'46,'52,'54,'81,'82; Neutrondensity log found PBTD @ 5412'. RU BJ & test lines; pump 1000 gal 15% HCL W/33-7/8" Bio-balls; balled out @ 3700 psi; back-surged well & WO balls to soften; frac @ 50 bbls/min w/75,900 gal slick wtr, 73,100# 20/40 Brady sand & 3430# 14/30 flex sand; max sand conc 1.50# gal; avg press 1950 psi; max press 2550 psi; ISIP = 350 psi; Computalog ran & set composite BP @ 5040'; press test plug to 2000 psi; held OK; shot 20-0.37" perfs w/ 3 1/8" csg gun as follows: 4579', '80,'81, 4600', '02,'03,'04,'05,'06,'09,'48, 4710', 4931'; '33,'35,'37,'39,'41,'43,'45; pump 1000 gal 15% HCL W/30-7/8" Bio-balls; ball out @ 3000 psi; frac @ 50 bbls/min w/73,200 gal slick wtr, 76,700# 20/40 Brady sand & 3430# 14/30 flex sand; max sand conc 1.75# gal; avg press 2750 psi; max press 3200 psi; ISIP=950 psi; 1 min SI=750 psi, 7 min SI=700 psi; blackflow on 18/64"choke; unloaded 60 bbls in 90 min; left well unloading.

11/03/02 Well dead @ 7:30 AM; ND frac head; NU BOP; PU 3 4" bit, 2- 3 3/8" DC & 40 jts 2 3/8" tbg.

11/04/02 Cont'd PU 2 3/8" work string; found sand fill @ 4950'; attempt to circ; couldn't get returns.

11/05/02 SICP 150#; bled off gas; RU to wash w/nitrogen foam; wash out sand & drlg out BP; tag sand @ 5300'; wash and jet w/nitrogen to 5444'; pull up to 4950'; well flowing too much gas up tbg to pull out further.

11/06/02 SICP 1100#; flow thru full open 2" line to reserve pit; unload frac wtr & gas; CP stable @ 60 psi; RIH found sand @ 5404'.

11/07/02 SICP 1000#; bled gas off; attempt to kill well by pump 40 bbls KCL wtr down tbg; didn't kill well.

11/08/02 SICP 800#; bled gas off; killed well w/60 bbl KCL wtr; POH w/DC; RIH w/sand pump, tag sand @ 5375'; bailed to 5390' w/well flow gas & frac wtr up csg; set down on sand @ 5385'.

about the control

11/09/02 SI due to bad weather.

11/10/02 SI due to bad weather.