

DATE IN 04/20/09	SUSPENSE	ENGINEER W. Jones	LOGGED IN 4/20/09	TYPE DHC	APP NO PKAA 0911053541
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RECEIVED

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

2009 APR 20 PM 12 41

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



30-015-35768
Skelly Fed. #4
Fasken Oil
151411e

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Kim Tyson
Print or Type Name

Kim Tyson
Signature

Regulatory Analyst
Title

4-15-09
Date

kimt@for1.com
e-mail Address

District I
1625 N. French Drive, Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Bravo Road, Artesia, NM 88210

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION TYPE
☒ Single Well
☐ Establish Pre-Approved Pools
EXISTING WELL BORE
☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

Fasken Oil and Ranch, Ltd. 303 W. Wall St., Ste. 1800, Midland, TX 79701

Operator Address
Skelly Federal 4 H, Sec. 9, T21S, R24E Eddy
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 151416 Property Code API No. 30-015-35768 Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Indian Basin (Strawn) <i>Gar</i>		Cemetery (Morrow) <i>Gar</i>
Pool Code	79035		74640
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	8766' - 9198'		9880' - 9977'
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	Estimated 2000 psi		500 psi (isolated w/ check valve)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1000 BTU		1000 BTU
Producing, Shut-In or New Zone	New Zone		Producing
Date and Oil/Gas/Water Rates of Last Production (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: To be opened Rates: 700 mcfpd + 5 bopd + 0 bwpd	Date: Rates:	Date: March 2009 Rates: 77 mcfpd + 0 bopd + 0 bwpd
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 100 % Gas 90 %	Oil % Gas %	Oil 0 % Gas 10 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐

Will commingling decrease the value of production? Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands
or the United States Bureau of Land Management been notified in writing of this application? Yes ☒ No ☐

NMOCD Reference Case No. applicable to this well: _____

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kim Tyson TITLE Regulatory Analyst DATE 4-15-09
TYPE OR PRINT NAME Kim Tyson TELEPHONE NO. (432) 687-1777
E-MAIL ADDRESS kimt@for1.com

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-35768	² Pool Code 79035	³ Pool Name Indian Basin (Strawn) <i>Gas</i>
⁴ Property Code	⁵ Property Name Skelly Federal	⁶ Well Number 4
⁷ OGRID No. 151416	⁸ Operator Name Fasken Oil and Ranch, Ltd.	⁹ Elevation 4100'

¹⁰ Surface Location

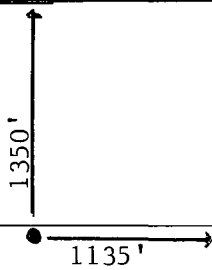
UL or lot no. H	Section 9	Township 21S	Range 24E	Lot Idn	Feet from the 1350'	North/South line North	Feet from the 1135'	East/West line East	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ 	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>Kim Tyson</i> 4-15-09 Signature Date Kim Tyson Printed Name
	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

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State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-35768	² Pool Code 74640	³ Pool Name Cemetery (Morrow)
⁴ Property Code	⁵ Property Name Skelly Federal	⁶ Well Number 4
⁷ OGRID No. 151416	⁸ Operator Name Fasken Oil and Ranch, Ltd.	⁹ Elevation 4100'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	9	21S	24E		1350'	North	1135'	East	Eddy

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature <u>Kim Tyson</u> Date <u>4-15-09</u> Printed Name <u>Kim Tyson</u>

Historic Production and Well Count Detail Report

Project: J:\PIAPPS\DWIGHTS\Tools90\Projects\CWB\FORL2005final for CWB use.mdb

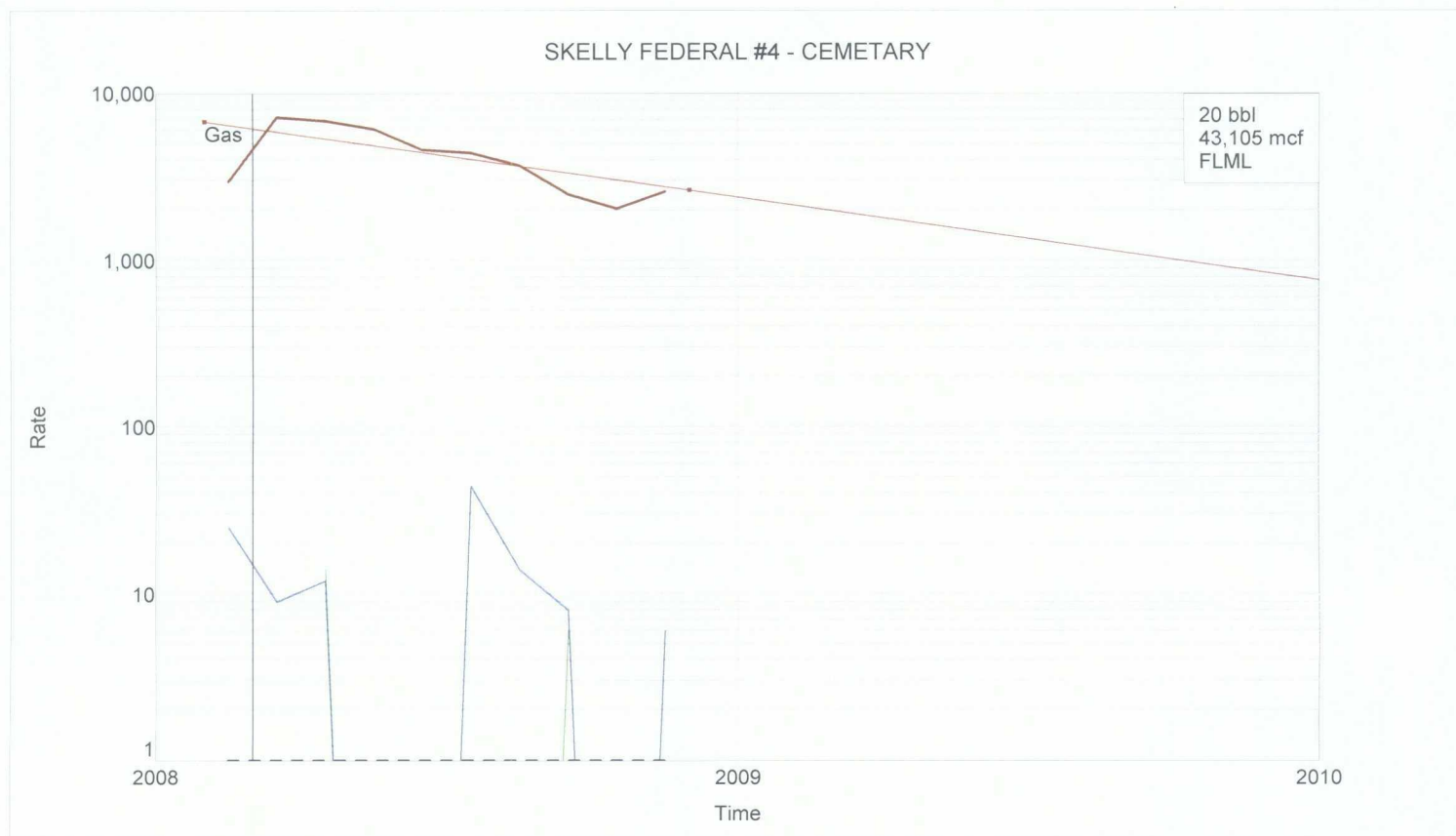
Lease Name: SKELLY FEDERAL #4 (4)

Operator: FASKEN OIL AND RANCH LTD

County, ST: EDDY, NM

Field Name: CEMETARY

Location: 9H 21S 24E NW SE NE



Date	Oil (bbl)	Gas (mcf)	Water (bbl)	Well Count	Days On	Total Oil (bbl)	Total Gas (mcf)	Total Water (bbl)
01/2008	0	0	0	0	0	0	0	0
02/2008	0	2,967	25	1	15	0	2,967	25
03/2008	0	7,225	9	1	31	0	10,192	34
04/2008	14	6,881	12	1	30	14	17,073	46
05/2008	0	6,152	0	1	31	14	23,225	46
06/2008	0	4,609	0	1	30	14	27,834	46
07/2008	0	4,413	44	1	31	14	32,247	90
08/2008	0	3,715	14	1	31	14	35,962	104
09/2008	6	2,497	8	1	30	20	38,459	112
10/2008	0	2,057	0	1	31	20	40,516	112
11/2008	0	2,589	6	1	30	20	43,105	118
12/2008	0	0	0	0	0	20	43,105	118
Total:	20	43,105	118		290			

Fasken Oil and Ranch, Ltd.

Skelly Federal No. 4

Application for Downhole Commingling

Additional Data

A production curve for the Morrow is attached and averaged 86 mcf/d in November 2009 and 77 mcf/d in March 2008. The Morrow will be separated from the Strawn zones by a check valve and packer. Production for the Strawn zone in this well is not available since it has yet to be opened. However, there are two offsetting Strawn producers which initially produced 500 mcf/d and 350 mcf/d, respectively.

The estimated production rate for the Strawn in this well is based on a more aggressive stimulation. The estimated gas and condensate rates and suggested percentages are as follows:

Indian Basin (Strawn)	700 mcf/d	90%	5 bcpd	100%
Cemetery (Morrow)	77 mcf/d	10%	0 bcpd	0%

The condensate is assigned 100% to the Strawn zone since the depleted Morrow no longer produces significant condensate.

All working, royalty and overriding interests in this well are common and therefore, no notice is required.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NM0247971

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Fasken Oil and Ranch, Ltd.

3a. Address
303 West Wall St., Suite 1800, Midland, TX 79701

3b. Phone No. (include area code)
432-687-1777

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1350' FNL & 1135' FEL, Sec. 9, T21S, R24E

7. If Unit of CA/Agreement, Name and/or No.
NMNM88510

8. Well Name and No.
Skelly Federal No. 4

9. API Well No.
30-015-35768

10. Field and Pool or Exploratory Area
Cemetery (Morrow)

11. Country or Parish, State
Eddy, New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Downhole
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Commingle
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Fasken Oil and Ranch, Ltd. proposes to recomplete this well in the Indian Basin (Strawn) and Downhole Commingle with the Cemetery (Morrow).

See attached procedure.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
Kim Tyson

Title Regulatory Analyst

Signature

Kim Tyson

Date 04/14/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

Office

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.

(Instructions on page 2)

**Skelly Federal No. 4
1350' FNL & 1135' FEL
Sec 9, T21S R24E
AFE 1639**

OBJECTIVE:	Add Strawn zone and DHC with Morrow
WELL DATA:	
API Number:	30-015-35768
13-3/8" 48#/ft H-40 ST&C casing:	Set at 413.26' KB Cmt w/200sx"H" w/1% CaCl ₂ (14.6 ppg, 1.52 cuft/sk) plus 400 "C" w/2% CaCl ₂ (14.8 ppg, 1.32 cuft/sk) plus 1" 23 plugs, Tot 675sx "C" w/4% CaCl ₂ . TOC surface.
9-5/8" 36#/ft J-55 LT&C casing:	Set at 3000.85' KB, Cmt w/200sx "H" w/41% CaCl ₂ (14.6 ppg, 1.52 ft ³ /sx) plus 700sx "C" w/4% gel, 2% CaCl ₂ (13.5 ppg, 1.74 ft ³ /sx) plus 200 sx "C" 2% CaCl ₂ (14.8 ppg, 1.32 ft ³ /sk), TOC surf. Circ 232 sx.
4-1/2" 11.6# N-80 LT&C casing:	Set at 10,185.34', DV tool @ 5958.31'. 1st Stage: 1550sx "H" 50/50 Poz w/2% gel (14.2 ppg, 1.3 ft ³ /sx). Opened DV tool and circulated 129 sx cement to pit. 2nd stage: 950 sx "C" 50/50 Pozw/10% gel (11.8 ppg, 2.39 ft ³ /sx) plus 100sx Super "H" neat (15.6 ppg, 1.18 ft ³ /sx). TOC surf. Circ 159 sx. Marker jts: 11.00' @ 9774.71', 10.92' @ 8674.25'
Tubing and Packer:	3" OD x 2" ID wire line entry guide (0.45'), 4' x 2-3/8" perforated tubing sub (4.13'), 4-1/2" x 2-3/8" AS-1X 10K Packer (6.53'), 3-3/4" x 2-3/8" TOSSD (1.37') with 1.781" carbon steel "F" profile nipple and 307 jts 2-3/8" EUE 8rd N-80 tubing (9737.00'). Top packer @ 9753.45' with 16 pts. Compression.
Annulus:	190 bbls 3% KCL w/ 10 gal CS-35 clay stabilizer, 20 gal. CI-76 corrosion inhibitor and 10 gal. oxygen scavenger.
Perfs:	Feb '08: 9908'-16' (9h), 9924'-26' (3h), 9947'-50' (4h), 9974'-77' (4h) Mar '08: 9880'-92' (13h) Est BHP 1000 psi (basis: 9/24/08 SITP 750 psi)
KB:	4119'; 18' above GL
TD:	DTD 10,225', LTD 10,225'
PBTD:	10,138.07' (Float collar)

1. Shut well in 72 hours for a static surface pressure.
2. RU slick line and set 1.781" "F" blanking plug in profile nipple at 9753.45'
3. RUPU. Set matting board, pipe racks, and steel flowback pit.
4. RU pump truck and fill tubing w/ 38 bbls 3% KCL w/ clay stabilizer, corrosion inhibitor and oxygen scavenger. Test plug and tubing to 3000 psi.
5. NDWH, install 3000 psi BOP.
6. Release TOSSD and POW to 8766' (estimated tubing depth to equal bottom Strawn lime OH log perf 8773'). Circulate well spotting 500 gals of 15% NEFE triple inhibited HCl acid.
7. POW with tubing and TOSSD.
8. RUWL with 3000 psi lubricator and grease. Run GR/CCL log 9700' to 8500' (Note: marker joint 10.92' @ 8674.25'). Perforate Strawn with 3-1/8" casing gun as follows:

8766' - 73' Lime (15h, 2JSPF, 0.40 EHD, 60° phased)

15 total holes by Baker Hughes Compensated Z-Densilog, Compensated Neutron Log, Digital Spectralog, Gamma Ray Log dated 14-JAN-2008. POW, make sure all shots fired, and RDWL.

9. RU pump truck and displace 12 bbl spot acid via casing with 3% KCl water containing clay stabilizer at maximum rate attainable with maximum 3000 psi surface treating pressure.
10. RIW with 4' x2-3/8" EUE 8rd N-80 tubing sub, Arrowset IX 10k packer, TOSSD with 1.875" "F" profile nipple, and 2-3/8" EUE 8rd N-80 tubing to +/- 8700'. Reverse 5 bbls 3% KCL water into tubing.
11. ND BOP. NUWH setting packer in 12 points compression.
12. Swab and flow back acid and load water to steel test tank and evaluate.
13. RU stimulation company. Install tree saver. Trap 1500 psi on annulus. Acid frac Strawn perfs 8776'-73' via 2-3/8" tubing with 1000 gal 15% cross-linked acid + 1000 gals 15% gelled acid + 35% CO₂, flushing with 3% KCL water with clay stabilizer and 35% CO₂. Rate 5-10 bpm at max pressure 5000 psi. RD stimulation company and tree saver.
14. Swab and flow back acid and load water to steel test tank and evaluate.
15. RUWL with 3000 psi lubricator and grease. Perforate Strawn sands with 1-11/16" strip gun as follows:

8963' – 68' Sand (6h, 1JSPF)

9113' – 18' Sand (6h, 1JSPF)

9193' – 98' Sand (6h, 1JSPF)

18 total holes by Baker Hughes Compensated Z-Densilog, Compensated Neutron Log, Digital Spectralog, Gamma Ray Log dated 14-JAN-2008. POW, make sure all shots fired, and RDWL.

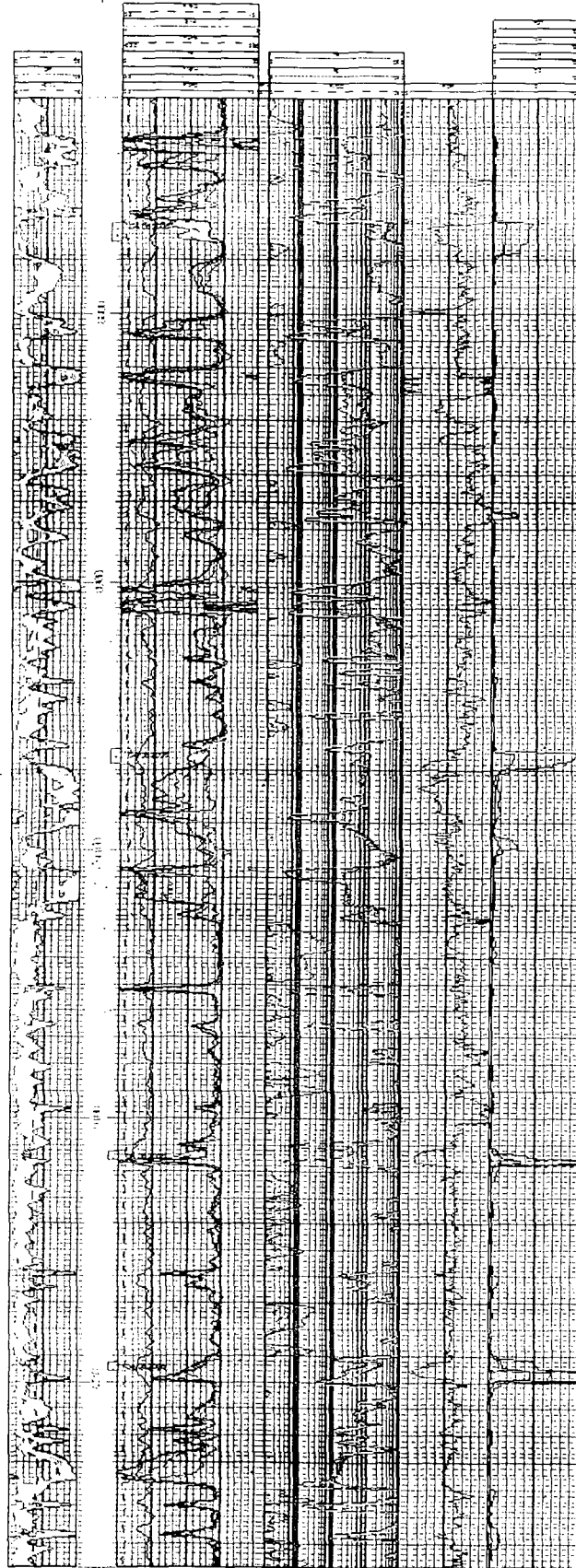
16. Flow well and evaluate.
17. Return well to sales.
18. RDPU.

Commingle Strawn with Morrow

19. When Strawn and Morrow pressures are more equivalent, kill well with 34 bbls 3% KCL water containing clay stabilizer.
20. NDWH. NU BOP.
21. Release packer at +/-8700' and POW.
22. RIW with TOSSD with lugs cut off and 2-3/8" EUE 8rd N-80 tubing and tag "Morrow" packer @ +/-9753', pick up 1'-2'. TOSSD should be within 1'-2' of "Morrow" packer when wellhead is installed.
23. ND BOP. NUWH.
24. Swab and return well to sales. RDPU.
25. RUWL (pressure differential across blanking plug too uncertain for light weight slick line) with mast truck and RIW w/ equalizing prong and equalize pressure across 1.781" "F" blanking plug at 9753'. RIW with sinker bars, spang jars and oil jars and retrieve 1.781" "F" blanking plug from "Morrow" packer at 9753'. RIW with 1.781" "F" check valve plug and set in profile nipple at 9753'. RDWL.
26. POW and RDWL and return well to sales with Strawn and Morrow downhole commingled.

CWB
4-6-09

(SkellyFed4 afe1639 add Strwn DHC with Morr pro 4-6-09 cwb.doc)



LWI : 300153576800

DHC Strawn with Morrow
as of 3-8-08

GL: 4100'

KB: 4119'

Well: **Skelly Federal No. 4**

Operator: **Fasken Oil and Ranch, Ltd.**

Location: **1350' FNL & 1135' FEL**

Sec. 9, T-21-S, R-24-E

Eddy County, NM

Compl.: **1/17/2008 released rig**

API #: **30-015-35768**

TD: **DTD 10225', LTD 10225'**

PBTD: **10,138.07' (Float collar)**

Casing: **13-3/8" 48# H-40 @ 413.26'**

w/200sx"H" w/1% CaCl₂ (14.6 ppg, 1.52 cuft/sk)

+400 "C" w/2% CaCl₂ (14.8ppg, 1.32 cuft/sk)

1" 23 plugs; Tot 675sx "C" w/4% CaCl₂

TOC surf

9-5/8" 36# J-55 @ 3000.85' KB

200sx "H" w/41%CaCl₂(14.6 ppg, 1.52 ft³/sx)

+700sx"C" w/4%gel,2% CaCl₂ (13.5 ppg,1.74 ft³/sx),

+ 200 sx "C" 2% CaCl₂ (14.8 ppg, 1.32 ft³/sk).

TOC Surface, circ 232 sx.

4-1/2" 11.6#/ft N-80 @ 10,185.34'

1st stg: 1550sx "H" 50/50 Poz w/2% gel (14.2 ppg, 1.3 ft³/sx)

Circ 129.sx thru DV

DV: **5958.31'**

950 sx "C" 50/50 Pozw/10%gel(11.8 ppg, 2.39 ft³/sx)

+ 100sx Super "H".neat (15.6 ppg, 1.18 ft³/sx)

TOC: **4-1/2" TOC Surf, Circ 159 sx**

Marker Jts: **11.00' @ 9774.71', 10.92' @ 8674.25'**

2-3/8" WL Entry Guide 0.45

2-3/8" EUE 8 rd J-55 perforated Sub 4.13

2-3/8"x4-1/2"AS 1X 10K Pkr w/1.781" F crbn stl PN 6.53

2-3/8" x 3.3/4" TOSSD 1.37

Btm of string @ 9759.98

Top pkr @ 9753.45

Proposed Tubing: 2-3/8" with TOSSD OE at +/-9750'

Perfs:

Proposed 8766'-73', 8963'-68', 9113'-18', 9193'-98'

Active

3/8/2008 9880'-92' (1spf, 0° ph, SG, 13h)

2/16/2008 9908'-16' (1spf, 0° ph, SG, 9h)

2/16/2008 9924'-26' (1spf, 0° ph, SG, 3h)

2/16/2008 9947'-50' (1spf, 0° ph, SG, 4h)

2/16/2008 9974'-77' (1spf, 0° ph, SG, 4h)

Morrow L. Green

Morrow L. Green

Morrow L. Green

Morrow Purple

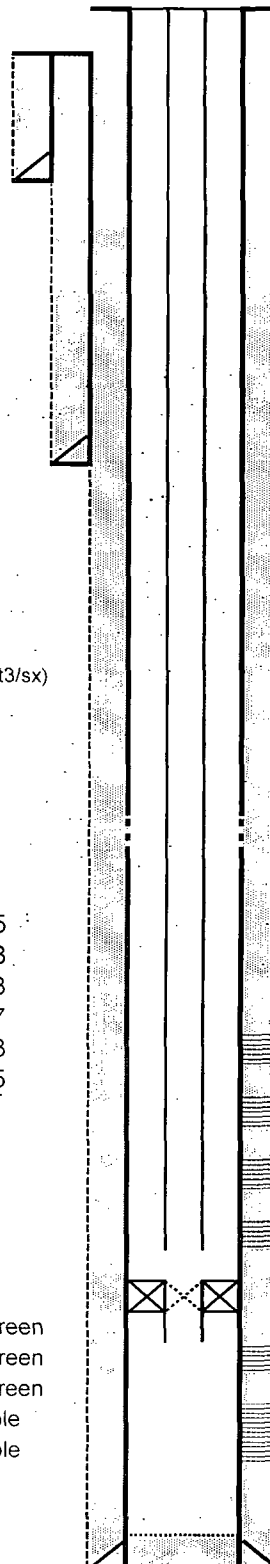
Morrow Purple

Hole Sizes:

17-1/2" Surf-414' 12-1/4" 414'-3002'

8-3/4" 3002'-10225'

BHP: 9/24/08 SITP 750 psi, est BHP 1000 psi.



4-1/2" TOC Surf, Circ 159 sx

13-3/8" 48# H-40 @ 413.26'

TOC surf

9-5/8" 36# J-55 @ 3000.85' KB

TOC Surface, circ 232 sx.

DV: 5958.31'

Proposed

Strawn lime 8766'-73'

Strawn sand 8963'-68'

Strawn sand 9113'-18'

Strawn sand 9193'-98'

9759.98

9880'-92'

9908'-77' OA 20 h

PBTD: 10,138.07' (Float collar)

TD: DTD 10225', LTD 10225'

4-1/2" 11.6#/ft N-80 @ 10,185.34'

cwb

4/6/2009

SkellyFed4 WB diagram.xls

Current
as of 3-8-08

GL: 4100'
KB: 4119'

Well: **Skelly Federal No. 4**

Operator: **Fasken Oil and Ranch, Ltd.**

Location: 1350' FNL & 1135' FEL
Sec. 9, T-21-S, R-24-E
Eddy County, NM

Compl.: 1/17/2008 released rig

API #: 30-015-35768

TD: DTD 10225', LTD 10225'

PBTD: 10,138.07' (Float collar)

Casing: **13-3/8" 48# H-40 @ 413.26'**

w/200sx"H" w/1% CaCl₂ (14.6 ppg, 1.52 cuft/sk)

+400 "C" w/2% CaCl₂ (14.8 ppg, 1.32 cuft/sk)

1" 23 plugs; Tot 675sx "C" w/4% CaCl₂

TOC surf

9-5/8" 36# J-55 @ 3000.85' KB

200sx "H" w/41% CaCl₂ (14.6 ppg, 1.52 ft³/sx)

+700sx "C" w/4% gel, 2% CaCl₂ (13.5 ppg, 1.74 ft³/sx),

+ 200 sx "C" 2% CaCl₂ (14.8 ppg, 1.32 ft³/sk).

TOC Surface, circ 232 sx.

4-1/2" 11.6#/ft N-80 @ 10,185.34'

1st stg: 1550sx "H" 50/50 Poz w/2% gel (14.2 ppg, 1.3 ft³/sx)

Circ 129 sx thru DV

DV: 5958.31'

950 sx "C" 50/50 Poz w/10% gel (11.8 ppg, 2.39 ft³/sx)

+ 100sx Super "H" neat (15.6 ppg, 1.18 ft³/sx)

TOC: 4-1/2" TOC Surf, Circ 159 sx

Marker Jts: 11.00' @ 9774.71', 10.92' @ 8674.25'

2-3/8" WL Entry Guide	0.45
2-3/8" EUE 8 rd J-55 perforated Sub	4.13
2-3/8"x4-1/2" AS 1X 10K Pkr w/1.781" F crbn stl PN	6.53
2-3/8" x 3.3/4" TOSSD	1.37
307 jts 2-3/8" EUE 8 rd. N-80 4.7# Tbg	<u>9737.00</u>
Total	9749.48
Below KB	15.00
Compression on Pkr	<u>-4.50</u>
Btm of string @	9759.98
Top pkr @	9753.45

Perfs:

Active

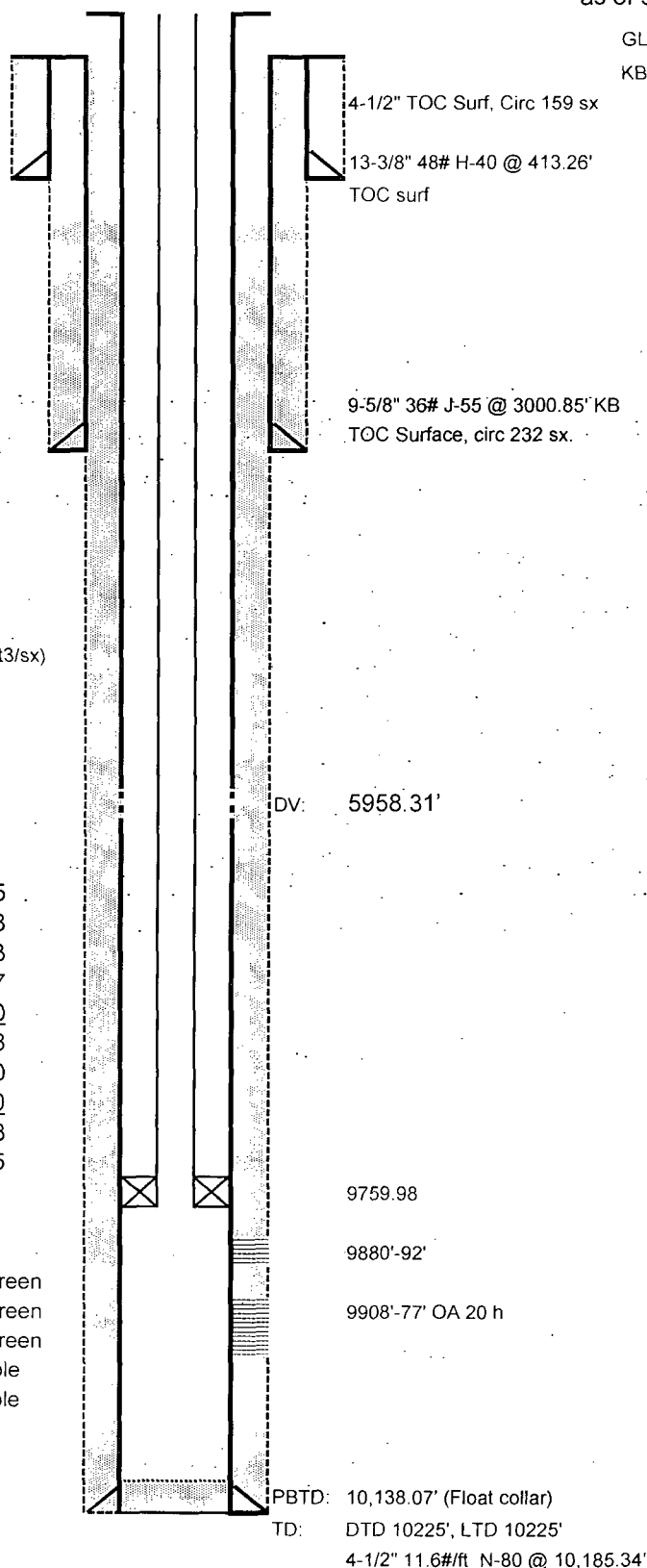
3/8/2008 9880'-92' (1spf, 0° ph, SG, 13h)	Morrow L. Green
2/16/2008 9908'-16' (1spf, 0° ph, SG, 9h)	Morrow L. Green
2/16/2008 9924'-26' (1spf, 0° ph, SG, 3h)	Morrow L. Green
2/16/2008 9947'-50' (1spf, 0° ph, SG, 4h)	Morrow Purple
2/16/2008 9974'-77' (1spf, 0° ph, SG, 4h)	Morrow Purple

Hole Sizes:

17-1/2" Surf-414' 12-1/4" 414'-3002'

8-3/4" 3002'-10225'

BHP: 9/24/08 SITP 750 psi, est BHP 1000 psi.



PBTD: 10,138.07' (Float collar)

TD: DTD 10225', LTD 10225'

4-1/2" 11.6#/ft N-80 @ 10,185.34'

cwb

4/6/2009

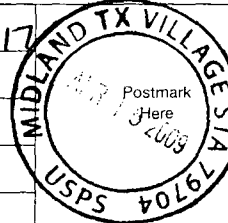
SkellyFed4 WB diagram.xls

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620 E GREEN ST
CARLSBAD NM 88220-6292

PS Form 3800 January 2001

See Reverse for Instructions